

CATALOGUE

January 2018

Acrylic colors
for models
and miniatures

*Colores acrílicos
para maquetas
y miniaturas*





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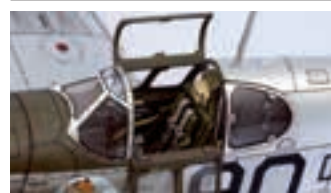
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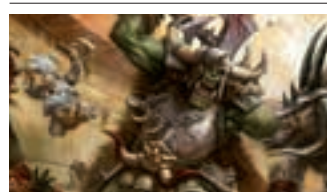
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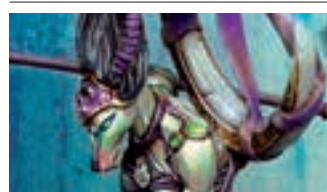
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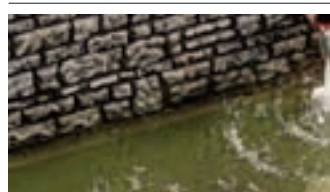
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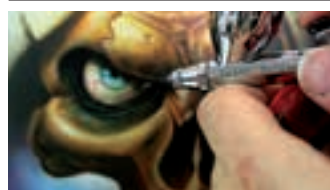
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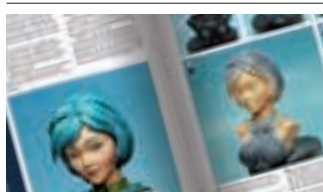
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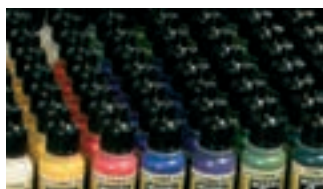
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Made in Spain



Conform to
ASTM D-4236
and
EEC regulation
67/548/CEE

All colors in our catalogue conform to ASTM D-4236 standards and EEC regulation 67/548/CEE, and do not require health labelling.

Todos los colores en nuestro catálogo están conformes con las normas ASTM D-4236 (American Society for Testing and Materials) y con la normativa Europea 67/548/CEE.

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Due to the printing process, the colors reproduced in this catalogue are to be considered as approximate only, and may not correspond exactly to the originals.

Debido a la impresión en cuatricromía, los colores en este catálogo pueden variar de los colores originales, y su reproducción es tan solo orientativa.

Introduction

EN The Vallejo Company was established in 1965, in New Jersey, U.S.A. In the first years the company specialized in the manufacture of Film Color, waterbased acrylic colors for animated films (cartoons). In 1969 the company moved to Spain; in those years many important cartoon studios were based in Europe. The special qualities and unique formula of Film Color soon became known, and the product was used by most of the important studios on the continent.

In 1972 Amadeo Vallejo developed Acrylic Artist Color, the first acrylic for fine arts manufactured in Spain, and one of the first acrylic colors for artists produced in Europe. In this period, Vallejo also introduced Liquid Watercolor-colors for graphic design.

In the year 1981, following suggestions by professors of the Fine Arts University of Barcelona, Vallejo presented Acrylic Studio- a range of high quality acrylic colors for fine arts in large size packaging (200 ml./6.76 fl.oz. and 500 ml./16.9 fl.oz. sizes, the first such presentation

“The experience and knowledge accumulated in the elaboration of artist colors over the last 45 years is the most valued asset of our company”

Amadeo Vallejo Díez

in artist colors worldwide) at a reduced and unified price. With this range, a result of the most careful selection of permanent artist pigments, avoiding the most expensive colors, such as cadmiums and cobalts, Vallejo created the line of colors which was to become a benchmark for the industry and the beginning of a new period of expansion for Acrylicos Vallejo.

The growing popularity of waterbased acrylic colors became of interest to airbrush artists, until then working with solvent based products. With the help of these artists during the periods of trial and testing, Vallejo formulated the first acrylic colors for airbrushing in 1986. In the following years, the company began developing a range of colors-Model Color- for hobby and model-painters, as well as complete lines of colors and auxiliary products for decorative arts.

Acrylicos Vallejo still is a family company, and Amadeo Vallejo continues to supervise the development of new products, supported now by a technical department dedicated to investigation and development. The testing of new products and formulations in the chemical industry is a constant process and Vallejo takes pride in the constant aim to improve the quality and presentation of the colors and to continue offering products with exceptional quality to all artists. Since the beginning in the seventies until today, the company has extended its installations several times, starting in a garage of 30 square meters, then moving to a warehouse, and finally expanding to the actual installations in 3 industrial buildings, divided into raw material storage, manufacturing and stock sections.

At present Acrylicos Vallejo exports to more than 55 countries, and the AV colors comply with all the security and environment regulations in force in the European Common Market and the United States. More information is available in the (MSDS) security sheets of our web page or can be requested at info@acrylicosvallejo.com.



Introducción



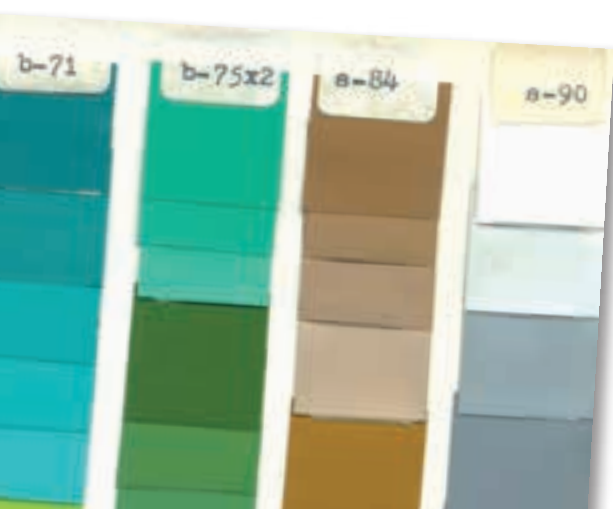
ES La empresa Vallejo se constituyó en el estado de New Jersey, EE.UU. en otoño de 1965. En los primeros años se especializó en la fabricación de colores acrílicos para dibujos animados. En 1969 la empresa se traslada a Barcelona y continua produciendo la gama de colores Film Color. Las excepcionales características de formulación de esta gama de colores las convierten en imprescindibles en los más importantes estudios de animación ubicados en Europa. En 1972 Amadeo Vallejo desarrolla la gama de colores Acrylic Artist's Color, el primer acrílico para bellas artes fabricado en España y uno de los primeros colores acrílicos para artistas producido en Europa. Pocos meses después, se inicia la producción de la gama Acuarela Líquida, colores para diseño e ilustración. En el año 1981, atendiendo la petición de varios profesores de la Facultad de Bellas Artes de Barcelona, Vallejo desarrolla la gama de colores Acrylic Studio. El objetivo de esta gama de colores es proporcionar a

“La experiencia y el conocimiento acumulado en la elaboración de colores para artistas en estos últimos 45 años es el activo más valioso de nuestra empresa”

Amadeo Vallejo Díez

los artistas una gama de colores acrílicos de óptima calidad, con pigmentos seleccionados en función de su máxima permanencia, a un precio único y comercializado en grandes formatos. En aquellos años fue una presentación revolucionaria e innovadora en el ámbito artístico español. Con la presentación de la gama Acrylic Studio se inicia una nueva época de expansión de nuestra empresa y el concepto de ésta gama de colores para artistas se convertirá, décadas después, en una categoría de productos de referencia para la industria.

En el año 1986 presentamos la primera gama de colores acrílicos para aerografía. A principios de la siguiente década formulamos las primeras series de colores específicos para los aficionados al Modelismo y las Artes decorativas. Nuestra empresa continua siendo de carácter familiar, Amadeo Vallejo supervisa el desarrollo de nuevos productos con el soporte de nuestro departamento técnico encargado de investigación y desarrollo. Seguimos elaborando nuestros colores en pequeños lotes con la misma filosofía “mejorar las cualidades de nuestros colores para seguir ofreciendo a todos los artistas productos de excepcional calidad”. Desde los años 70 hasta el presente la empresa ha ampliado sus instalaciones en varias ocasiones, desde el primer garaje de 30 m2 en el cual se elaboraban las primeras partidas de colores hasta nuestras actuales instalaciones que cuentan con más de 3500 m2. Hoy en día, Acrylics Vallejo es el primer especialista a nivel mundial en colores acrílicos para modelismo ofreciendo a nuestros clientes la más completa selección de gamas de colores y complementos para este sector. Actualmente los productos de Vallejo se exportan a más de 55 países y nuestros colores cumplen con las exigentes normativas de seguridad y medio ambiente vigentes en la Comunidad Europea y Estados Unidos. Para mayor información pueden consultar las hojas de seguridad disponibles en nuestra pagina web o pueden requerir más información a través de nuestra dirección de correo electrónico info@acrylicsvallejo.com.





Model Color

215 very highly pigmented colors for models and miniatures, formulated with a waterbased acrylic resin, excellent for all surfaces

215 colores acrílicos permanentes de muy alta pigmentación, para maquetas, miniaturas y modelismo, aptos para todas las superficies

EN The colors brush on smoothly, and cover large surfaces easily without showing brushstrokes, but their texture makes them equally perfect for miniatures and minuscule details. All the shades dry to a matt and opaque finish except for the metallic and transparent colors. The transparent colors render a brilliant finish, tint the surface but do not hide wood-grains or other characteristics. On models, they are applied directly for headlights and signal lights; diluted with Matt Medium, these colors are ideal for tinting airplane or car windows (smoked glass). The application of a coat of transparent color over the same matt color gives an extra brilliant special effect. The metallic colors, with a most realistic metallic finish, are formulated to reproduce the quality of steel and iron as well as copper, brass, silver and gold.

Model Color can be diluted with water, and all colors can be mixed with one another. The product does not contain solvents and is not inflammable. Colors do not contain lead pigments, nor ingredients harmful to health. Errors can be corrected immediately with water, or with a small amount of alcohol. Once the paint has dried, it is waterproof and permanent.

Packaging:

Model color is presented in bottles of 17 ml./0.57 fl.oz. with eyedropper. This packaging prevents the paint from evaporating and drying in the container, so that it can be used in minimal quantities and preserved for a long time.

ES Los colores se extienden fácilmente tanto para cubrir grandes superficies como para trazar los detalles más finos. Todos los tonos excepto los metalizados y transparentes son mates y opacos. Los colores transparentes proporcionan un acabado brillante, y no ocultan las vetas o características de la superficie pintada. Se aplican directamente para luces y faros, y diluidos con medium mate para los vidrios de aviones y coches. La aplicación de un color transparente sobre el mismo tono en mate proporciona un efecto brillante especial. Model Color se puede diluir con agua, y todos los colores se pueden mezclar entre sí. Model Color no contiene disolventes y no es inflamable. No contiene pigmentos nocivos ni ingredientes dañinos a la salud. Los errores se pueden corregir inmediatamente con agua, o con un poco de alcohol. Una vez seca la pintura, es impermeable y permanente.

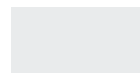
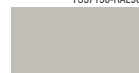
Presentación:

Model Color se presenta en botellas de 17 ml./0.57 fl.oz. con cuentagotas. Esta presentación evita la evaporación de la pintura y el secado dentro del frasco. Se pueden utilizar cantidades mínimas y conservar el contenido del frasco durante mucho tiempo.

Model Color

FS37925-RAL9016-RLM21		FS17925		RAL9001		FS31670											
70.951	1	70.919	2	70.842	3	70.820	4	70.918	5	70.928	6	70.837	7	70.917	8	70.916	9
Blanco		Blanco Frio		Blanco Brillo		Blanco Pergamino		Hueso		Carne Clara		Arena Clara		Beige		Amarillo Arena	
White		Cold White		Gloss White		Off-White		Ivory		Light Flesh		Pale Sand		Beige		Sand Yellow	
		RAL1018								RLM4							
70.949	10	70.952	11	70.806	12	70.858	13	70.915	14	70.953	15	70.948	16	70.815	17	70.955	18
Amarillo Claro		Amarillo Limón		Amarillo Lasur		Amarillo Hielo		Amarillo Intenso		Amarillo Mate		Amarillo Dorado		Carne Base		Carne Mate	
Light Yellow		Lemon Yellow		German Yellow		Ice Yellow		Deep Yellow		Flat Yellow		Golden Yellow		Basic Skin Tone		Flat Flesh	
												FS32246		RLM23			
70.927	19	70.845	20	70.860	21	70.911	22	70.805	23	70.851	24	70.956	25	70.817	26	70.910	27
Carne Oscura		Carne Dorada		Carne Medio		Naranja Claro		Naranja Alemán		Naranja Intenso		Naranja		Escarlata		Rojo Claro	
Dark Flesh		Sunny Skin Tone		Medium Flesh Tone		Light Orange		German Orange		Bright Orange		Clear Orange		Scarlet		Orange Red	
FS31302-RAL3020		FS31350-RAL3000				ANA619						RAL8012				FS31433-RAL3012	
70.909	28	70.947	29	70.908	30	70.957	31	70.946	32	70.926	33	70.814	34	70.859	35	70.804	36
Bermellón		Bermellón Oscuro		Rojo Carmin		Rojo Mate		Rojo Oscuro		Rojo		Rojo Tostado		Rojo Negro		Rojo Beige	
Vermilion		Dark Vermilion		Carmine Red		Flat Red		Dark Red		Red		Burnt Red		Black Red		Beige Red	
										RAL4006							
70.835	37	70.803	38	70.944	39	70.958	40	70.802	41	70.945	42	70.812	43	70.959	44	70.810	45
Rosa Salmón		Rosa Marrón		Rosa Antiguo		Rosa Pink		Rojo Sunset		Magenta		Rojo Violeta		Púrpura		Púrpura Real	
Salmon Rose		Brown Rose		Old Rose				Sunset Red				Violet Red		Purple		Royal Purple	
		FS35042-ANA607				FS35048		RAL5000				FS35095					
70.811	46	70.960	47	70.898	48	70.807	49	70.899	50	70.965	51	70.925	52	70.930	53	70.809	54
Violeta Azul		Violeta		Azul Marina Oscuro		Azul Oxford		Azul Prusia Oscuro		Azul de Prusia		Azul Intenso		Azul Oscuro		Azul Real	
Blue Violet		Violet		Dark Sea Blue		Oxford Blue		Dark Prussian Blue		Prussian Blue		Blue		Dark Blue		Royal Blue	
		RAL5019-RLM24				FS35164		FS36176		FS35177		FS35231		RAL5024			
70.839	55	70.962	56	70.963	57	70.964	58	70.900	59	70.903	60	70.943	61	70.902	62	70.901	63
Azul Ultramar		Azul Mate		Azul Medio		Azul Militar		Azul Francés		Azul Americano		Azul Gris		Azul Azur		Azul Pastel	
Ultramarine		Flat Blue		Medium Blue		Field Blue		French Mirage Blue		Intermediate Blue		Grey Blue		Azure		Pastel Blue	
		RAL5012														FS34090	
70.906	64	70.841	65	70.844	66	70.961	67	70.840	68	70.966	69	70.808	70	70.838	71	70.970	72
Azul Pálido		Azul Andrea		Azul Profundo		Azul Cielo		Turquesa Claro		Turquesa		Azul Verde		Esmeralda		Verde Oscuro	
Pale Blue		Andrea Blue		Deep Sky Blue		Sky Blue		Light Turquoise		Turquoise		Green Blue		Emerald		Deep Green	
														RAL6025		ANA611	
70.969	73	70.891	74	70.942	75	70.974	76	70.827	77	70.954	78	70.857	79	70.833	80	70.850	81
Verde		Verde Medio		Verde Claro		Verde Azul		Verde Lima		Amarillo Verde		Oliva Dorado		A. Cam. Verde Claro		Oliva Medio	
Park Green Flat		Intermediate Green		Light Green		Green Sky		Lime Green		Yellow Green		Golden Olive		Ger. Cam. Bright Green		Medium Olive	
		FS34084		FS34096-RAL6006		FS34088-ANA613		FS34127-RLM83		FS34079		RLM80		FS34052-RAL6007		FS34129-RAL6003	
70.967	82	70.968	83	70.922	84	70.920	85	70.823	86	70.892	87	70.895	88	70.975	89	70.890	90
Verde Oliva		Verde Oliva Oscuro		Verde Uniforme		Uniforme Alemán		Alemán Cam. Luftwaffe		Oliva Amarillo		Verde Acorazado		Verde Militar		Verde Refractorio	
Olive Green		Flat Green		Uniform Green		German Uniform		Luftwaffe Cam. Green		Yellow Olive		Gunship Green		Military Green		Refractive Green	
														RAL7022-RLM70			
70.889	91	70.888	92	70.887	93	70.924	94	70.893	95	70.894	96	70.979	97	70.897	98	70.896	99
Pardo Oliva		Gris Oliva		US Verde Oliva		Uniforme Ruso WWII		Verde Americano		Cam. Verde Oliva		Alem. Cam. Verde Osc.		Verde Bronceado		A. Cam. Verde Extra Osc.	
Olive Brown		Olive Grey		US Olive Drab		Russian Uniform WWII		US Dark Green		Cam. Olive Green		Ger. Cam. Dark Green		Bronze Green		Ger. C. Extra Dark Green	
		RLM2		FS34086-RAL7009				FS36357						RLM78			
70.980	100	70.886	101	70.830	102	70.821	103	70.884	104	70.816	105	70.971	106	70.972	107	70.973	108
Verde Negro		Gris Verdoso		Verde Alemán WWII		Al. Cam. Beige WWII		Gris Piedra		Uniforme Luftwaffe WWII		Verde Gris Pálido		Verde Azul Pálido		Verde Gris Medio	
Black Green		Green Grey		German Fieldgrey WWII		German C. Beige WWII		Stone Grey		Luftwaffe Uniform WWII		Green Grey		Light Green Blue		Light Sea Grey	
		FS36440								RAL8000		FS30277		RAL7028			
70.885	109	70.986	110	70.987	111	70.881	112	70.880	113	70.879	114	70.988	115	70.978	116	70.923	117
Verde Pastel		Marrón Cubierta		Gris Medio		Verde Amarillo		Gris Caqui		Marrón Verde		Marrón Caqui		Amarillo Camuflaje		Uniforme Japonés WWII	
Pastel Green		Deck Tan		Medium Grey		Yellow Green		Khaki Grey		Green Brown		Khaki		Dark Yellow		Japanese Uniform WWII	
						FS33434		FS33245-RAL1011		RAL1001		FS30475		FS30257			
70.882	118	70.914	119	70.976	120	70.913	121	70.912	122	70.847	123	70.819	124	70.977	125	70.877	126
Amarillo Piedra		Ocre Verde		Amarillo Caqui		Ocre Amarillo		Marrón Amarillo		Arena Oscura		Arena Iraquí		Amarillo Desierto		Marrón Dorado	
Middle Stone		Green Ochre		Buff		Yellow Ochre		Tan Yellow		Dark Sand		Iraqi Sand		Desert Yellow		Gold Brown	

Model Color

	FS30266-ANA615		FS31400		RAL8023		RLM79		FS30219-ANA628								
70.856 Ocre Marrón Ochre Brown	127	70.824 Ale. Cam. Ocre Naranja Ger. Cam. Orange Ochre	128	70.829 Marrón Claro Light Brown	130	70.881 Marrón Naranja Orange Brown	131	70.876 Arena Marrón Brown Sand	132	70.843 Marrón Corcho Cork Brown	133	70.874 Tierra Oscura Tan Earth	134	70.875 Marrón Beige Beige Brown	135		
	FS30109		FS30111		RAL8002		FS30108-RAL8011		FS30099		RLM61		FS30145		FS37150-RAL9002		
70.818 Cuero Rojo Red Leather	136	70.982 Marrón Rojo Cavalry Brown	137	70.940 Marrón Cuero Saddle Brown	138	70.846 Marrón Caoba Mahogany Brown	139	70.984 Marrón Mate Flat Brown	140	70.921 Uniforme Inglés English Uniform	141	70.873 Tierra US Field Drab	142	70.983 Tierra Mate Flat Earth	143	70.825 Al. Cam. Pardo Claro Ger. Cam. Pale Brown	144
	FS30097		RAL8017		FS30051-RAL8027		FS30099		FS30099		RLM61		FS30173		FS36118-ANA603		FS36152-RAL7012-RLM75
70.826 Al. Cam. Pardo Medio Ger. Cam. Med. Brown	145	70.985 Marrón Rojizo Hull Red	146	70.871 Marrón Cuero Oscuro Leather Brown	147	70.941 Sombra Tostada Burnt Umber	148	70.872 Marrón Chocolate Chocolate Brown	149	70.822 Alem. Cam. Pardo Negro German C. Black Brown	150	70.993 Gris Blanco White Grey	151	70.883 Gris Plateado Silver Grey	152	70.907 Azul Gris Claro Pale Grey Blue	153
	FS36375-RAL7001		FS35237		FS35189		FS36270		FS36270		FS36231		FS36173		FS36118-ANA603		FS36152-RAL7012-RLM75
70.989 Gris Cielo Sky Grey	154	70.990 Gris Pálido Light Grey	155	70.905 Gris Azul Claro Blue Grey Pale	156	70.904 Gris Azul Oscuro Dark Blue Grey	157	70.870 Gris Marina Medio Medium Sea Grey	158	70.991 Gris Marina Dark Sea Grey	159	70.992 Gris Neutral Neutral Grey	160	70.836 Gris Londres London Grey	161	70.869 Gris Basalto Basalt Grey	162
	RLM74		RLM66		FS36076		RAL7016		RAL7021		FS37038-RAL9005-RLM22		FS37038		FS37038		
70.868 Verde Marina Oscuro Dark Sea Green	163	70.867 Azul Gris Oscuro Dark Blue Grey	164	70.866 Gris Verde Grey Green	165	70.994 Gris Oscuro Dark Grey	166	70.995 Gris Alemán German Grey	167	70.862 Gris Negro Black Grey	168	70.950 Negro Black	169	70.861 Negro Brillante Glossy Black	170		

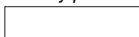
Colores metalizados / Metallic colors

	FS27043																
70.997 Plata Silver	171	70.996 Oro Gold	172	70.878 Oro Viejo Old Gold	173	70.801 Latón Brass	174	70.998 Bronce Bronze	175	70.999 Cobre Copper	176	70.865 Acero Engrasado Oily Steel	177	70.864 Acero Natural Natural Steel	178	70.863 Gris Metalizado Gunmetal Grey	179
																	
70.800 Metal Azul Gunmetal Blue	180																

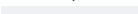
Colores transparentes / Transparent colors

															
70.939 Humo Smoke	181	70.828 Madera Caoba Wood Grain	182	70.834 Madera Natural Natural Wood Grain	183	70.937 Amarillo Transparente Transparent Yellow	184	70.935 Naranja Transparente Transparent Orange	185	70.934 Rojo Transparente Transparent Red	186	70.938 Azul Transparente Transparent Blue	187	70.936 Verde Transparente Transparent Green	188

Mediums y auxiliares / Mediums & auxiliary products

																	
70.540 Medium Mate Matt Medium	189	70.470 Medium Brillante Glossy Medium	190	70.521 Medium Metálico Metal Medium	191	70.520 Barniz Mate Matt Varnish	192	70.510 Barniz Brillante Gloss Varnish	193	70.522 Barniz Satinado Satin Varnish	194	70.596 Medium Veladuras Glaze Medium	195	70.597 Retardante Drying Retarder	196	70.523 Máscara Líquida Liquid Mask	197
																	
70.598 Medium Craquelar Crackle Medium	198	70.400 Masilla Plástica Plastic Putty	199	70.524 Diluyente Thinner	200	71.261 Diluyente Aerógrafo Airbrush Thinner	211	71.262 Flow Improver Flow Improver	212	73.212 Ablandador de Calcas Decal Medium	213	73.213 Fijador de Calcas Decal Fix	214	73.214 Medium de Desgaste Chipping Medium	215		

Pátinas / Glazes

									
70.853 Pátina Blanca White Glaze	201	70.832 Pátina Verdín Verdigris Glaze	202	70.831 Pátina Ocre Tan Glaze	203	70.854 Pátina Marrón Brown Glaze	204	70.855 Pátina Negro Black Glaze	205

Colores fluorescentes / Fluorescent colors

				
70.730 Amarillo Fluorescente Yellow Fluorescent	70.733 Naranja Fluorescente Orange Fluorescent	70.735 Magenta Fluorescente Magenta Fluorescent	70.736 Azul Fluorescente Blue Fluorescent	70.737 Verde Fluorescente Green Fluorescent
206	207	208	209	210

1 Posición del color en orden cromático en el expositor de la gama completa de 223 referencias.
Position of the colors in chromatic order in complete display of 223 references.

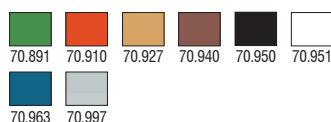
Model Color Sets (8 colors)

Collection of color sets of 8 Model Color for painting models and miniatures. Each one of these sets has a selection of special colors for painting vehicles, figures, etc. Contains 8 bottles of 17 ml./0.57 fl.oz. and color chart.

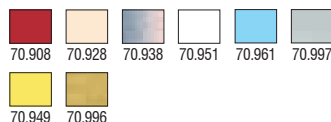
Colección de estuches de 8 colores Model Color para pintar maquetas y miniaturas. Cada uno de los estuches tiene una selección de colores especiales para pintar vehículos, figuras, etc. Contienen 8 botellas de 17 ml./0.57 fl.oz. y una carta de colores.



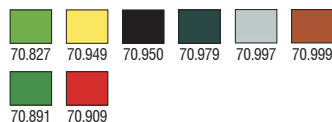
Art. 70.103 Wargames Basics



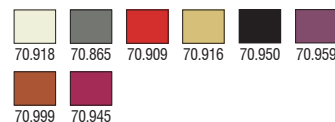
Art. 70.104 High Elves Elfos



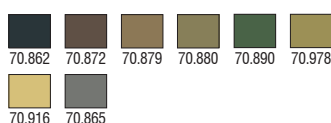
Art. 70.105 Orcs and Goblins



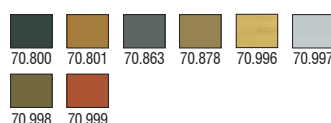
Art. 70.106 Non Death Chaos



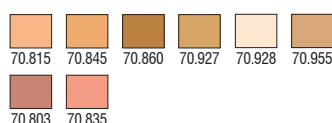
Art. 70.108 Panzer Colors



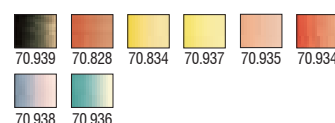
Art. 70.118 Metallic Colors Colores Metálicos



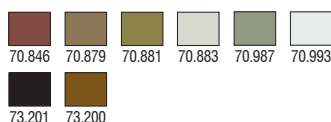
Art. 70.124 Face & Skin Tones Colores Piel



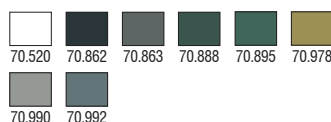
Art. 70.136 Transparent Colors Colores Transparentes



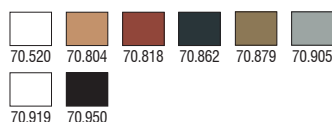
Art. 70.137 Building Colors



Art. 70.138 Demag Africa Corps



Art. 70.139 Demag Rusia 1942



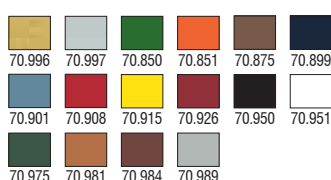
Model Color Sets (16 colors)

Collection of color sets of 16 Model Color for painting models and miniatures. Each one of these sets has a selection of special colors for painting vehicles, figures, etc. Contains 16 bottles of 17 ml./0.57 fl.oz. (with eyedropper) and color chart.

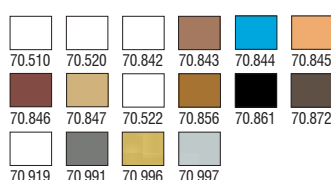
Colección de estuches de 16 colores Model Color para pintar maquetas y miniaturas. Cada uno de los estuches tiene una selección de colores especiales para pintar vehículos, figuras, etc. Contienen 16 botellas de 17 ml./0.57 fl.oz. (con cuentagotas) y una carta de colores.



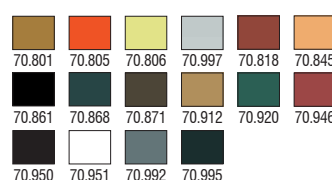
Art. 70.101 Folkstone Basics



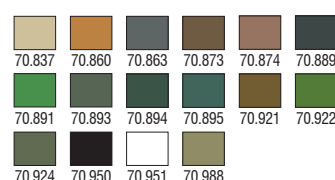
Art. 70.102 Folkstone Specialist



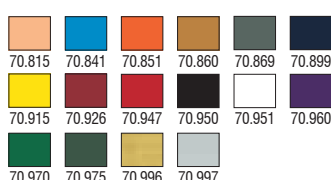
Art. 70.107 German Colors WWII Colores WWII Alemán



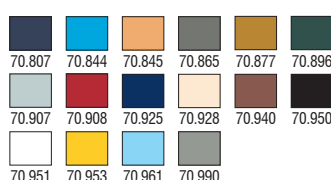
Art. 70.109 Allied Forces WWII WWII Aliados



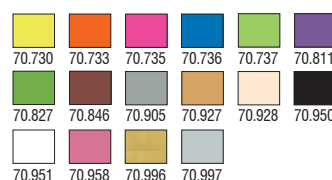
Art. 70.110 Napoleonic Colors



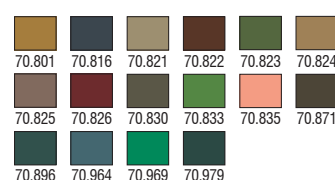
Art. 70.111 American Civil War Guerra Civil Americana



Art. 70.112 Wargame Special

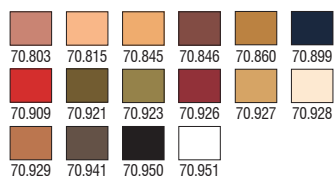


Art. 70.114 German Cam. WWII WWII Cam. Alemán

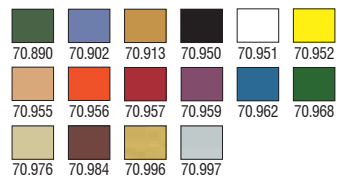


Model Color Sets (16 colors)

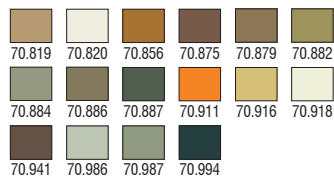
Art. 70.125 Face & Skin Tones Colores Piel y Cara



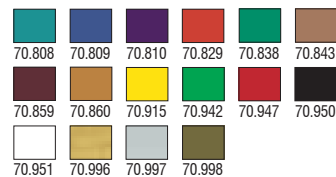
Art. 70.140 Basic Colors USA Colores Básicos USA



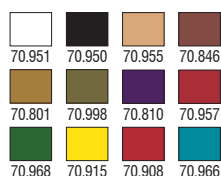
Art. 70.141 Earth Tones Colores Tierra



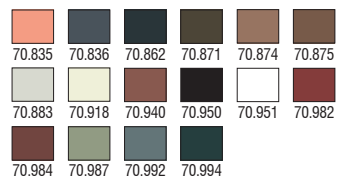
Art. 70.142 Medieval Colors Colores Edad Media



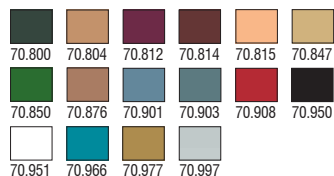
Art. 70.143 Roman Empire Imperio Romano



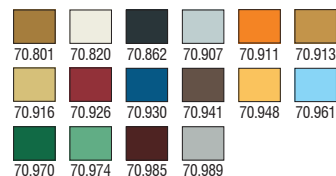
Art. 70.144 Equestrian Colors Colores Ecuestres



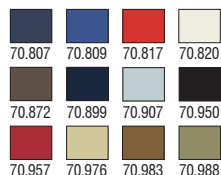
Art. 70.145 Native American Indios Americanos



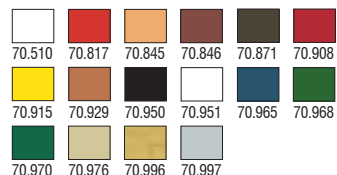
Art. 70.146 Naval (Steam Era) Náutico (Edad Vapor)



Art. 70.147 American Colonial Colonial Americano



Art. 70.148 American Revolution Revolución Americana



Special Model Color Sets

Collection of Model Color sets for painting models and miniatures. Each one of these sets has a selection of special colors for painting vehicles, figures, etc. Contains leaflet with painting instructions and color chart.

Serie de estuches de colores Model Color para pintar maquetas y miniaturas. Cada uno de los estuches es una selección de colores especiales para pintar vehículos, figuras, etc. Contienen folleto con instrucciones de pintado y una carta de colores.

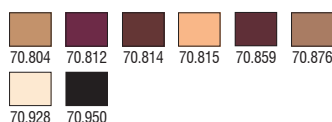
Art. 70.119

Face Painting

8 x 17 ml./0.57 fl.oz. Model Color

A set by Jaume Ortiz, with colors selected to create the different tonalities of skin colors. The set includes detailed "Face Painting" step by step instructions.

Estuche creado por Jaume Ortiz, con colores seleccionados para facilitar la obtención de diferentes tonos de piel. Incluye instrucciones detalladas (paso a paso) para "Pintar Caras".



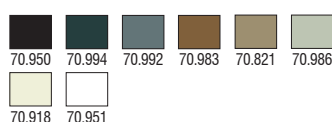
Art. 70.151

Black & White

8 x 17 ml./0.57 fl.oz. Model Color

A set by Angel Giráldez with a variation of color gradations from white to black, including step by step painting guide.

Estuche creado por Ángel Giráldez, con una selección de gradaciones de color de blanco a negro. Incluye instrucciones paso a paso.



Special Model Color Sets

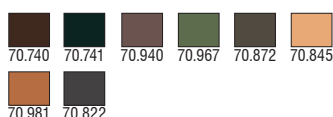
Art. 70.180

Waffen-SS Camouflage

8 x 17 ml./0.57 fl.oz. Model Color

A selection of colors to paint Plane Tree, Palm Tree and Oak Leaf camouflages in any of both seasonal pattern variations. The set also includes the colors for shading and highlighting the camouflage tones in order to achieve a tri-dimensional effect as described in step by step instructions by Jaume Ortiz.

Selección de colores para pintar camuflajes Plane Tree, Palm Tree y Oak Leaf en cualquiera de las dos vertientes de temporada. Además, se incluyen los colores adecuados para sombrear e iluminar los tonos de los camuflajes y conseguir así un efecto tridimensional. Incluye instrucciones paso a paso de Jaume Ortiz.



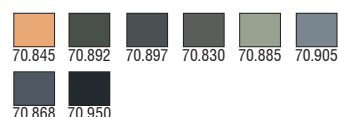
Art. 70.181

German Field Grey

8 x 17 ml./0.57 fl.oz. Model Color

Selection of colors for painting four variations of German uniforms and the colors needed for highlighting and shading. The set includes step by step instructions by Jaume Ortiz.

Selección de colores para pintar cuatro variantes de uniforme alemán, así como los colores para iluminar y sombrear cada una de esas variantes. Incluye instrucciones paso a paso de Jaume Ortiz.



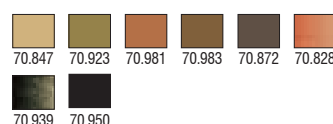
Art. 70.182

Wood & Leather

8 x 17 ml./0.57 fl.oz. Model Color

Selection of colors for painting wood and leather, including step by step painting instructions by Ángel Giráldez.

Selección de colores para pintar madera, cuero oscuro, claro y rojizo. Incluye instrucciones paso a paso de Ángel Giráldez.



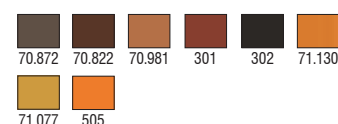
Art. 70.183

Rust, Stain & Streaking

8 x 17 ml./0.57 fl.oz. acrylic colors

Selection of colors to create the effects of weathering, of rust stains on metal surfaces, streaking and peeling in specific areas, and of the wear caused by exposure. The set includes step by step instructions by Scratchmod.

Selección de colores para representar los efectos de óxido sobre la superficie, los rastros que genera la intemperie, la acumulación en lugares concretos. Incluye instrucciones paso a paso de Scratchmod.



Special Model Color Sets

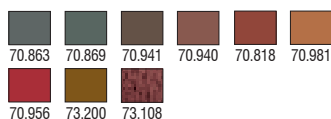
Art. 70.150

Rust and Steel

7 x 17 ml./0.57 fl.oz. Model Color
+ 1 x 17 ml./0.57 fl.oz. Game Color Wash
+ 1 x 35 ml./1.18 fl.oz. Pigment

A boxed set containing 1 Pigment and 8 bottles of acrylic colors, and 2 brushes for painting miniatures, a mixing palette, and a Model Color color chart, with detailed step by step instructions by Langmesser Modellwelt.

Esta caja incluye 1 Pigmento, 8 botellas de colores acrílicos y 2 pinceles para miniaturas, una paleta para mezclas y una carta de colores Model Color, con instrucciones paso a paso de Langmesser Modellwelt.



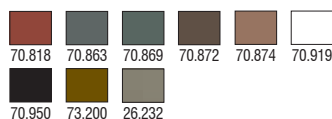
Art. 72.220

Winter Weathering

7 x 17 ml./0.57 fl.oz. Model Color
+ 1 x 17 ml./0.57 fl.oz. Game Color Wash
+ 1 x 35 ml./1.18 fl.oz. Diorama Effects

A boxed set for the creation of winter weathering effects, containing 8 bottles of acrylic colors, 1 Diorama Effects, 2 brushes and 1 sponge, with step by step instructions by Heinz Wagner y Marcus Förster.

Esta caja contiene 8 colores acrílicos, 1 Diorama Effects, 2 pinceles y 1 esponja, para crear efectos de envejecido de invierno con un paso a paso de Heinz Wagner y Marcus Förster.



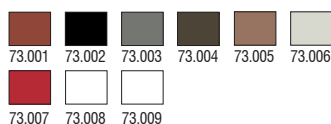
Art. 73.099

Weathering a Steam Locomotive

9 x 17 ml./0.57 fl.oz. Train Color

A boxed set for weathering a steam locomotive, containing 9 Train Color bottles, 2 paint brushes for painting miniatures, a mixing palette, a color chart and step by step instructions by Heinz Wagner.

Esta caja incluye 9 botellas Train Color, 2 pinceles Toray para locomotoras en miniaturas, una paleta para mezclas y una carta de colores. Incluye paso a paso de Heinz Wagner.



WWII Wargames Paint Series

Each one of these sets contains a painting guide and the colors selected for painting the war game vehicles and figures. All colors have been selected and tested with care to specifically match the colors used in the armed forces during WWII.

Cada uno de los estuches contiene una selección de colores especiales para pintar vehículos, figuras, etc. Todos ellos han sido seleccionados y probados con el cuidado de coincidir con los colores utilizados en las fuerzas armadas durante la Segunda Guerra Mundial.

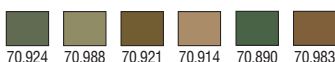
Art. 70.153

British Paint Set

6 x 17 ml./0.57 fl.oz. Model Color

A set which, together with the Infantry and Vehicle Basic Set, contains all the colors used for the painting of British Army soldiers.

Este estuche, en combinación con el Infantry y Vehicle Basic Set, contiene los colores necesarios para pintar los soldados del ejército británico.



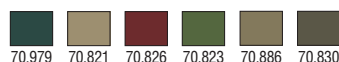
Art. 70.154

German Infantry Paint Set

6 x 17 ml./0.57 fl.oz. Model Color

A set which together with the Infantry Basic Set, contains all the colors used for the painting of German Wehrmacht uniforms.

Este estuche, en combinación con el Infantry Basic Set, contiene los colores necesarios para pintar los soldados del ejército alemán.



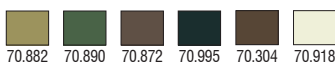
Art. 70.155

German Armour Paint Set

6 x 17 ml./0.57 fl.oz. Model Color

A set which, together with the Vehicle Basic Set, contains all the colors used for the painting of German armour.

Este estuche, en combinación con el Vehicle Basic Set, contiene los colores necesarios para pintar los carros alemanes.



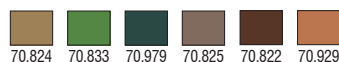
Art. 70.158

German SS Paint Set

6 x 17 ml./0.57 fl.oz. Model Color

A set of colors which, together with the Infantry Basic Set and German Infantry Set, contains all the colors used for the painting of German SS forces.

Este estuche, en combinación con el Infantry Basic y German Infantry Set, contiene los colores necesarios para pintar las tropas de las SS.



WWII Wargames Paint Series

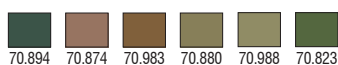
Art. 70.159

Soviet Paint Set

6 x 17 ml./0.57 fl.oz. Model Color

This set, together with the Infantry Basic Set, contains all the colors used for the painting of Soviet Army soldiers.

Este estuche, en combinación con el Infantry Basic Set, contiene los colores necesarios para pintar los soldados del ejército soviético.



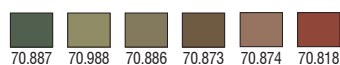
Art. 70.160

US Infantry Paint Set

6 x 17 ml./0.57 fl.oz. Model Color

Color selection which, together with the Infantry Basic Set, contains all the colors used for the painting of US Army soldiers.

Este estuche, en combinación con el Infantry Basic Set, contiene los colores necesarios para pintar los soldados del ejército US.



Art. 70.156

Infantry Basic Paint Set

8 x 17 ml./0.57 fl.oz. Model Color

This Infantry Basic Paint Set, when combined with the appropriate nation specific paint set, contains all the colors needed for painting WWII miniatures. Alternatively, this set offers complementary colors for guns, flesh tones and uniform markings to be used together with all the other color set.

Infantry Basic Paint Set, combinado con los estuches específicos de cada ejército, contiene los colores necesarios para pintar miniaturas de la Segunda Guerra Mundial. Además, este estuche ofrece una selección de colores complementarios para los tonos carne, insignias, armamento, para ser usados con otros estuches de la colección.



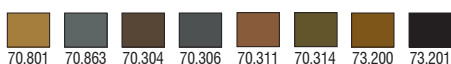
Art. 70.157

Vehicle Basic Paint Set

8 x 17 ml./0.57 fl.oz. acrylic colors

This Vehicle Basic Paint Set, when combined with the appropriate nation specific paint set, contains all the colors needed for painting WWII miniatures. Moreover, this set offers complementary colors for weapons, track color, canvas, wood and two washes for weathering effects.

Vehicle Basic Paint Set, combinado con los estuches específicos de cada ejército, contiene los colores necesarios para pintar miniaturas de la Segunda Guerra Mundial. Además, este estuche ofrece una selección de colores complementarios para armamento, orugas, lonas, madera y dos lavados para efectos de envejecido.



Liquid Gold

EN A range of 8 alcohol based metallic colors for figures and model kits. Liquid Gold, formulated with actual metal pigments in an alcohol base, are colors of great brilliance and permanence. The range consists of 8 shades for painting figures and scale models. The formula of these colors results in a finish of exceptional brilliance and complete lightfastness. The Liquid Gold colors can be mixed with one another and dry rapidly, they can be superimposed on one another and applied in several layers. Liquid Gold contains alcohol and is therefore flammable, but the product does not contain xylene or toluene. Brushes should be cleaned in alcohol or with our alcohol based Brush Cleaner (Ref. 28.900).

Packaging: In 35 ml./1.18 fl.oz. plastic pots with childproof cap.

ES Una gama de 8 colores metálicos con base alcohol para figuras y maquetas. Oro Líquido formulado con base alcohol con pigmentos metálicos, manteniendo un brillo genuino y duradero. Se presenta en una gama de 8 colores metálicos para pintar figuras y maquetas. Su formulación ofrece un dorado excepcional y una permanencia absoluta a la luz. Los colores se mezclan entre sí, y secan rápidamente; se pueden sobreponer varias capas y/o varios colores. Oro Líquido es inflamable por su contenido en alcohol, pero no contiene xileno, ni tolueno. Los pinceles se limpian con alcohol o con nuestro Limpiador de Pinceles al alcohol (Ref. 28.900).

Presentación: En frascos de 35 ml./1.18 fl.oz. con tapón de seguridad.



70.790
Plata
Silver



70.791
Oro Verde
Green Gold



70.792
Oro Viejo
Old Gold



70.793
Oro Rico
Rich Gold



70.794
Oro Rojo
Red Gold



70.795
Oro Verde
Green Gold



70.796
Oro Blanco
White Gold



70.797
Cobre
Copper

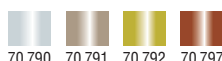
Art. 70.199

Gold, Silver & Copper

4 x 35 ml./1.18 fl.oz. Liquid Gold colors

A selection of 4 Liquid Gold colors, very brilliant and durable, for the painting of robots, armour, weapons, vehicles and all other metallic surfaces.

Selección de 4 colores de Oro Líquido, muy brillantes y duraderos, para pintar robots, armaduras, blindajes, vehículos y otras superficies metálicas.



Model Air

Acrylic colors developed especially for airbrush techniques, in a formula of very finely ground pigments and an acrylic resin with properties of extreme resistance and durability

Colores acrílicos desarrollados especialmente para el aerógrafo con pigmentos de molido extrafino y una resina acrílica de última generación de extrema resistencia y duración

EN Model Air is a range of waterbased, matt acrylic colors, developed especially for airbrushing. In the formulation of this range various new resins have been selected for quality levels which up till now had not been achieved in waterbased colors. The strength, resistance and covering power of Model Air is superior to any acrylic airbrush color currently available and also allows for application by brush to highlight the smallest details of the miniature. The pigments have been selected according to their degree of light-fastness and optimum micronization. The effects of washes and transparencies can be obtained by diluting the colors; all colors and varnishes can be mixed together and diluted with Airbrush Thinner.

The colors have been very carefully chosen to provide the model-painter with the references most frequently employed. Tests have been carried out for over two years to develop the tonalities which correspond to the RLM, RAL, ANA, FS and BS colours commonly used. Colours can be mixed with one another, diluted with water, Model Air Thinner or Varnish or even alcohol, according to the effect desired, but we recommend the use of Model Air Thinner since this product conserves the properties of the colours.

Model Air adheres exceptionally well to all surfaces. The adhesion of Model Air to resin models, plastics, steel and white metal is extraordinary. A primer is usually not needed; if the object to be painted is very dark, a base coat of white or grey will help bring out the luminosity of the colours.

Packaging:

Bottles of 17 ml./0.57 fl.oz. with eyedropper. This packaging prevents the paint from evaporating and drying in the container.

ES Model Air es una gama de colores acrílicos mates, de base agua, desarrollado especialmente para aerografía. En la formulación de la gama se emplean resinas de última generación, con cualidades hasta ahora no disponibles en colores de base agua; su resistencia, dureza y poder de cubrición es superior a cualquier acrílico de aerografía. Los pigmentos han sido seleccionados en función de su grado de estabilidad a la luz, y su óptima micronización también permite la aplicación a pincel para resaltar los pequeños detalles de las miniaturas. Los efectos de lavados y transparencias se obtienen mediante aplicaciones muy diluidas de la pintura. Todos los colores y barnices se pueden mezclar entre sí y diluir con Airbrush Thinner.

Los colores han sido seleccionados cuidadosamente para proporcionar al modelista los tonos más empleados. Durante dos años se realizaron pruebas para ajustar los colores a las equivalencias RLM, RAL, ANA, FS y BS más utilizados. Los colores se pueden mezclar entre sí y se pueden diluir con agua, Diluyente Model Air, Barniz Model Air o alcohol, según el resultado que se desee conseguir. En cualquier caso, sugerimos una mezcla con Diluyente Model Air para conservar las propiedades del color.

Model Air tiene un comportamiento excepcional sobre todos los soportes. La adherencia de la pintura sobre resina, plástico, acero y metal blanco es extraordinaria. Además, no requiere imprimación previa. Solo en casos en que la superficie sea de un color muy oscuro, puede ser útil dar una imprimación en color para aumentar la luminosidad de los colores.

Presentación:

Frasco de 17 ml./0.57 fl.oz. con cuentagotas. Esta presentación evita la evaporación de la pintura y el secado dentro del frasco.



Model Air Colors

FS37925-RAL9016-RLM21		RLM23		RAL5008			FS35414	BS216
71.001 Blanco White	71.002 Amarillo Medio Medium Yellow	71.003 RLM23 Rot Red RLM23	71.004 Azul Blue	71.005 Azul Gris Grey Blue	71.006 Verde Claro Cromo Light Green Chromate	71.007 Verde Oliva Olive Green	71.008 Azul Claro Pale Blue	71.009 Verde Huevo Pato Eau de Nil "D. E. Green"
FS34098	RLM83		FS34052-RAL6015		RLM71	FS34088-ANA613	FS34082	
71.010 Verde Interior Interior Green	71.011 RLM83 Dunkelgrün Dark Green RLM83	71.012 Verde Oscuro Dark Green	71.013 Oliva Amarillo Yellow Olive	71.014 Verde Acorazado Gunship Green	71.015 RLM71 Dunkelgrün Dark Green RLM71	71.016 USAF Verde Oliva USAF Olive Drab	71.017 Verde Ruso 4B0 Russian Green 4B0	71.018 Verde Negro Black Green
FS34083-RAL6007		RLM70	RLM82	FS34201		RAL7028	FS30215	
71.019 RAL6007 Grün Camouflage Dark Green	71.020 Verde Pardo Green Brown	71.021 RLM70 Schwarzgrün Black Green RLM70	71.022 RLM82 Hellgrün Light Green RLM82	71.023 Tan Green Hemp	71.024 Marrón Caqui Khaki Brown	71.025 RAL7028 Dunkelgelb Dark Yellow	71.026 Marrón USA USA Flat Brown	71.027 Marrón Claro Light Brown
		FS30266-ANA615-BS362			RAL1006		FS30140-RAL8025	
71.028 Amarillo Arena Sand Yellow	71.029 Tierra Oscura Dark Earth	71.030 Marrón Verdoso Brown Green	71.031 Piedra Medio Middle Stone	71.032 Marrón Dorado Golden Brown	71.033 RAL1006 Gelb Yellow Ochre	71.034 Marrón Arena Sand Brown	71.035 Camuflaje Pardo Claro Camouflage Pale Brown	71.036 Caoba Mahogany
	FS30097		RAL8014	RAL8017	RLM61	FS34087	RLM02	RAL7033
71.037 Marrón Lodo Mud Brown	71.038 Camuflaje Pardo Medio Cam. Medium Brown	71.039 Marrón Rojizo Hull Red	71.040 Sombra Tostada Burnt Umber	71.041 RAL8017 Rotbraun Armour Brown	71.042 RLM61 Dunkelbraun Dark Brown RLM61	71.043 US Verde Oliva US Olive Drab	71.044 RLM02 Grau Grey RLM02	71.045 Gris Cemento Cement Grey
		FS36076		FS36300-RAL7046	FS36173		FS36099-RAL7011	RAL7024
71.046 Azul Gris Claro Pale Blue Grey	71.047 Gris Grey	71.048 Gris Motor Engine Gray	71.049 Gris Mar Sea Grey	71.050 Gris Claro Light Gray	71.051 Gris Neutral Neutral Gray	71.052 Gris Antracita Anthracite Grey	71.053 Gris Mar Oscuro Dark Sea Grey	71.054 Gris Azul Oscuro Dark Grey Blue
RLM66	RAL7021	FS37038-RAL9004-RLM22-ANA04-BS642		RLM01	FS17178		FS17043	
71.055 RLM66 Schwarzgrau Black Grey RLM66	71.056 RAL7021 Dunkelgrau Panzer Dark Grey	71.057 Negro Black	71.062 Aluminio (Metalizado) Aluminum (Metallic)	71.063 RLM01 Silber (Metal.) Silver RLM01 (Metallic)	71.064 Cromo (Metalizado) Chrome (Metallic)	71.065 Acero (Metalizado) Steel (Metallic)	71.066 Oro (Metalizado) Gold (Metallic)	71.067 Latón (Metalizado) Bright Brass (Metallic)
				FS37200		FS33695	RAL1001	
71.068 Cobre (Metalizado) Copper (Metallic)	71.069 Óxido (Metalizado) Rust (Metallic)	71.070 Rojo Señal (Metalizado) Signal Red (Metallic)	71.071 Azul Artico (Metalizado) Arctic Blue (Metallic)	71.072 Fusil (Metalizado) Gunmetal (Metallic)	71.073 Negro (Metalizado) Black (Metallic)	71.074 Beige Beige	71.075 RAL1001 Elfenbein Ivory	71.076 Color Piel Skin Tone
	FS33538-RLM04-ANA614-BS356		FS30111-BS435		FS38903-RAL2005			
71.077 Madera Wood	71.078 RLM04 Gelb Yellow RLM04	71.079 Tierra Tan Earth	71.080 Óxido Rust	71.081 Ocre Ochre	71.082 Rojo Fluorescente Fluorescent Red	71.083 Naranja Orange	71.084 Rojo Fuego Fire Red	71.085 Rojo Ferrari Ferrari Red
		RAL5013		FS35056	FS35044-RAL5004-ANA605-BS106	RAL6003	FS34094	
71.086 Rojo Claro Light Red	71.087 Azul Acero Steel Blue	71.088 Azul Francés French Blue	71.089 Azul Mar Claro Light Sea Blue	71.090 Azul Oscuro Deep Sky	71.091 Azul Señal Signal Blue	71.092 RAL6003 Olivgrün Medium Olive	71.093 Verde OTAN NATO Green	71.094 Verde Zinc Green Zinc Chromate
RAL6011		FS36118-ANA603	RLM78		FS36559-RALM84	RLM62	RLM26	RLM05
71.095 Verde Pálido Pale Green	71.096 Verde Oliva Grisáceo Olive Grey	71.097 Gris Medio USAF Medium Gunship Gray	71.101 RLM78 Hellblau Light Blue RLM78	71.102 Rojo Red	71.103 RLM84 Graublau Grey Blue RLM84	71.104 RLM62 Grün Green RLM62	71.105 RLM26 Braun Brown RLM26	71.106 RLM05 Elfenbein Ivory RLM05
	FS35231-ANA609	FS35189-BS636	BS640	FS35109		FS35177	FS35237	RAL7016
71.107 US Amarillo Interior US Interior Yellow	71.108 UK Azul Azure UK Azure Blue	71.109 M-485 Blue Gray Faded P.R.U. Blue	71.110 Gris Oscuro Dark Gray	71.111 USAF Azul Claro USAF Light Blue	71.112 Arena Sand	71.113 Azul IDF IDF Blue	71.114 Gris Medio Medium Gray	71.115 RAL7016 Blaugrau Blue Grey
	RAL7008	RAL8020	RAL7027	RAL9002	FS36320	FS36440-ANA620	FS33446	FS34092-ANA612
71.116 RAL7008 Graugrün Camouflage Grey Green	71.117 RAL8020 Braun Camouflage Brown	71.118 RAL7027 Grau Camouflage Grey	71.119 RAL9002 Grauweiss White Grey	71.120 Gris Oscuro USAF Dark Ghost Gray	71.121 Gris Gaviota USN Light Gull Gray	71.122 US Cam. Moderno 686 US Desert Armour 686	71.123 RLM42 Dunkelgrau Dark Grey RLM42	71.124 Verde USAF USAF Green
FS30219-ANA628	FS34227-BS283	FS36134		RAL2010		FS37769-RAL1015		
71.125 Marrón USAF USAF Brown	71.126 Verde IDF/IAF IDF/IAF Green	71.128 Gris Violeta Gray Violet	71.129 Óxido Claro Light Rust	71.130 Óxido Anaranjado Orange Rust	71.131 Cemento Concrete	71.132 Blanco Envejecido Aged White	71.133 Suciedad Dirt	71.134 IJA Verde Midouri IJA Midouri Green

Model Air Colors

FS33655-RAL1003

71.135
IJA Amarillo Cromado
IJA Chrome Yellow

RAL1039

71.244
Sandbeige
Sand Beige

FS34151-ANA611

71.136
IJA Marrón Tierra
IJA Earth Brown

RAL1040

71.245
Lehmbeige
Loam Beige

FS30277

71.137
US Verde Claro
US Light Green

RAL8031

71.246
Sandbraun
Yellow Brown

FS30118-ANA617

71.138
US Arena
US Sand

RAL6040

71.247
Helloliv
Light Olive

FS30279-ANA616

71.139
US Marrón Verdoso
US Field Drab

RAL7050

71.248
Gris Marrón
Brown Grey

71.140
US Arena Desierto
US Desert Sand

FS30051-RAL8027

71.249
Lederbraun
NATO Brown

RAL6031

71.141
IDF Gris Arena 73
IDF Sand Grey 73

FS37030-RAL9021

71.250
Bronzegrün
Bronze Green

RAL6031

71.142
IDF Gris Sinai 82
IDF Sinai Grey 82

FS37030-RAL9021

71.251
Teerschwarz
NATO Black

RAL6031

71.143
UK Piedra Clara
UK Light Stone

RLM65

71.255
RLM65 Hellblau
Light Blue RLM65

RLM73

71.256
RLM73 Grün
Green RLM73

RLM76

71.257
RLM76 Lichtblau
Light Blue RLM76

RLM74

71.258
RLM74 Graugrün
Grey Green RLM74

RLM75

71.259
RLM75 Grauviolett
Grey Violet RLM75

RLM63

71.260
RLM63 Hellgrau
Light Grey RLM63

RLM72

71.263
RLM72 Grün
Green RLM72

RLM81

71.264
RLM81 Braunviolett
Brown Violet RLM81

RLM80

71.265
RLM80 Olivgrün
Olive Green RLM80

RLM24

71.266
RLM24 Dunkelblau
Dark Blue RLM24

RLM25

71.267
RLM25 Hellgrün
Light Green RLM25

RAL6006

71.268
RAL6006 Feldgrau
German Grey

RAL3000

71.269
RAL3000 Rot
Red

RAL9001

71.270
RAL9001 Weiss
Off-White

RAL8012

71.271
RAL8012 Rotbraun
German Red Brown

RAL8000

71.272
RAL8000 Gelbbraun
German Yellow Brown

FS36176-BS629

71.273
Gris Oceano
Ocean Gray

FS36251

71.274
Gris Aggressor
Aggressor Gray

FS36270

71.275
USAF Gris Medio
USAF Medium Gray

FS36495

71.276
Gris Claro
USAF Light Gray

FS36231-ANA621

71.277
Gris Gaviota Oscuro
Dark Gull Gray

RLM79

71.278
RLM79 Sandgelb
Sand Yellow RLM79

FS37875-ANA601

71.279
Blanco Insignia
Insignia White

FS36170

71.280
Gris Camuflaje
Camouflage Gray

FS34102

71.281
3B Verde Ruso
3B Russian Green

FS30099

71.282
6K Marrón Ruso
6K Russian Brown

FS30257

71.283
7K Tierra Rusa
7K Russian Tan

FS34086

71.284
UK Marrón Claro
UK Light Mud

FS30117

71.285
IJA Verde Oscuro
IJA Dark Green

FS34079-ANA631

71.286
IJA Verde Oliva
IJA Olive Green

FS35042-ANA607

71.287
IJA Marrón Caqui
IJA Khaki Brown

FS36622

71.288
UK BSC 64 Piedra Portl.
UK BSC 64 Portl. Stone

FS36357

71.289
US Verde Oscuro
US Dark Green

FS35164-ANA608

71.290
US Tierra Marrón
US Earth Brown

FS15042-ANA623

71.291
US Tierra Amarilla
US Earth Yellow

FS34086

71.292
US Marrón Barro
US Loam

BS210

71.293
US Tierra Roja
US Earth Red

71.294
US Verde Bosque
US Forest Green

71.295
USN Azul Marino
USN Sea Blue

FS34373

71.296
Curtiss Grey
USAAF Light Gray

FS35550

71.297
JGSD Marrón 3606
JGSD Brown 3606

BS637

71.298
M495 Gris Claro
M495 Light Gray

71.299
Azul Intermedio
Intermediate Blue

FS34096-BS634

71.300
Azul Mar Brillante
Glossy Sea Blue

FS33531

71.301
AMT-4 Camuflaje Verde
AMT-4 Cam. Green

FS34159

71.302
Verde Cielo
Sky Type S

FS34424-ANA610

71.303
A-24M Verde Camuflaje
A-24M Cam. Green

71.304
AMT-11 Azul Grisáceo
AMT-11 Blue Grey

FS36081-ANA625

71.305
Interior Gris Verde
Interior Grey Green

BS450

71.306
Azul Cielo
Sky Blue

BS241

71.307
BS Gris Mar Medio
BS Medium Sea Grey

71.308
AMT-12 Gris Oscuro
AMT-12 Dark Grey

FS36473

71.309
Gris Pizarra Oscuro
Dark Slate Grey

FS26187

71.310
IJN Verde Osc. Intenso
IJN Deep Dark Green

FS35526

71.311
IJN Gris Ceniza
IJN Ash Grey

71.312
IJN Gris Medio
IJN Medium Grey

71.313
Azul Mediterraneo Osc.
Dark Mediterranean Blue

BS450

71.314
Gris Hidroavión
Seaplane Gray

BS450

71.315
Negro Caucho
Tire Black

71.316
N. 41 Verde Oliva Oscuro
N. 41 Dark Olive Drab

71.317
All SV. Gol Azul Claro
All SV. Gol Light Blue

FS33531

71.318
AMT-7 Azul Grisáceo
AMT-7 Greyish Blue

FS35622

71.319
A-28M Azul Grisáceo
A-28M Greyish Blue

FS34159

71.320
AMT-1 Marrón Gr. Claro
AMT-1 Light Grey. Brown

71.321
Sky Green
IJA Light Grey Green

71.322
IJN Verde Negro
IJN Black Green

FS35450

71.323
BS Tierra Oscura
BS Dark Earth

71.324
BS Verde Oscuro
BS Dark Green

71.325
IJN Verde Negro Oscuro
IJN Dark Black Green

FS36473

71.326
IJA Gris Verdoso
IJA Grey Green

FS26187

71.327
Arena IAF
IAF Sand

FS35526

71.328
Azul Claro
Light Blue

71.329
Verde
Green

71.330
Verde Caqui Nº3
Khaki Green Num. 3

FS36373

71.331
Verde Interior Cabina
Cockpit Emerald G. "Faded"

71.332
Azul Desgastado
Underside Blue "Faded"

71.333
Azul AF Ruso
Russian AF Blue

71.334
Azul Claro Flanker
Flanker Light Blue

71.335
Gris Claro Flanker
Flanker Light Gray

71.336
A-14 Gris Acero
A-14 Steel Grey

FS26360

71.337
Azul Flanker
Flanker Blue

FS33070

71.338
Gris Azul AF Ruso
Russian AF Grey Blue

71.339
Gris N.3 AF Ruso
Russian AF Grey N.3

71.340
Gris Verdoso
Grey Green

71.341
Verde Grisáceo
Green Grey

71.342
Azul Claro AF Ruso
Russian AF Light Blue

71.343
Gris N.7 AF Ruso
Russian AF Grey N.7

71.344
Gris AF Ruso
Rus. AF Grey Protec. Coat

71.345
Gris N.8 AF Ruso
Russian AF Grey N.8

71.346
Gris N.4 AF Ruso
Russian AF Grey N.4

71.347
Verde Oscuro AF Ruso
Russian AF Dark Green

71.348
USAF Marrón Arena
USAF Tan

Mediums y Barnices / Mediums and Varnishes

70.510
Barniz Brillante
Gloss Varnish

70.520
Barniz Mate
Matt Varnish

70.522
Barniz Satinado
Satin Varnish

70.523
Máscara Líquida
Liquid Mask

71.261
Diluyente Aerógrafo
Airbrush Thinner

71.262
Flow Improver
Flow Improver

73.212
Ablandador de Calcas
Decal Softener

73.213
Fijador de Calcas
Decal Fix

73.214
Medium de Desgaste
Chipping Medium

ACRYLIC COLORS FOR MODELS & MINIATURES

Model Air Sets (8 colors)

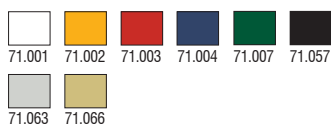
Collection of color sets with 8 Model Air colors for painting models and miniatures. Each one of these sets has a specific selection of colors for painting vehicles, figures, etc. Contains 8 bottles of 17 ml./0.57 fl.oz. and color chart.

Colección de estuches de 8 colores Model Air para pintar maquetas y miniaturas. Cada uno de los estuches tiene una selección específica de colores para pintar vehículos, figuras, etc. Contienen 8 botellas de 17 ml./0.57 fl.oz. y una carta de colores.



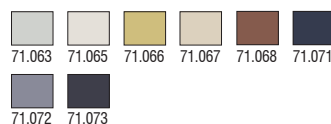
Art. 71.174

Basic Colors



Art. 71.176

Metallic Colors



Model Air Sets (16 colors)

Collection of color sets with 16 colors of Model Air for painting models and miniatures. Each one of these sets has a specific selection of colors for painting vehicles, figures, etc. Contains 16 bottles of 17 ml./0.57 fl.oz. and color chart.

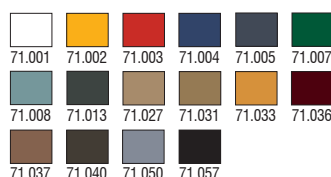
Colección de estuches de 16 colores Model Air para pintar maquetas y miniaturas. Cada uno de los estuches tiene una selección específica de colores para pintar vehículos, figuras, etc. Contienen 16 botellas de 17 ml./0.57 fl.oz. y una carta de colores.



Art. 71.178

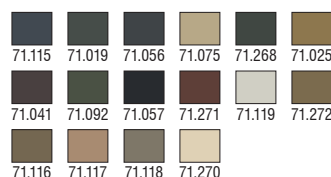
Basic Colors

Colores Básicos



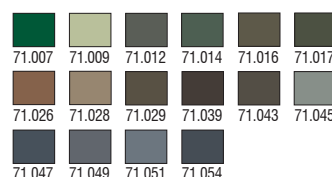
Art. 71.208

German WWII Europe & Africa



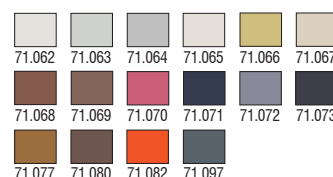
Art. 71.180

Allied Forces WWII WWII Aliados



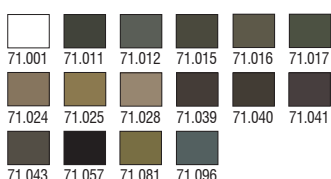
Art. 71.181

Metallic Effects Efectos Metálicos



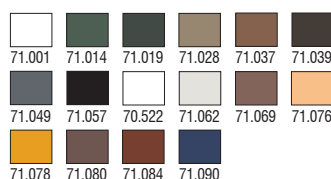
Art. 71.190

German/Allied WWII Aliados/Alemania WWII



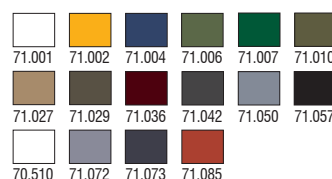
Art. 71.191

Railway Colors (Europe) Colores Ferroviarios



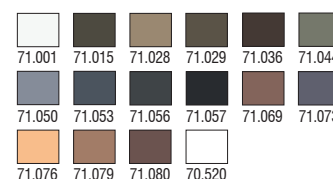
Art. 71.192

Building Colors Colores de Construcción



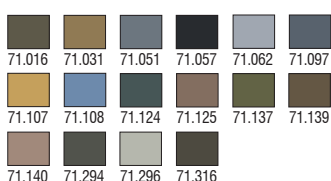
Art. 71.194

Weathering Colors Colores de Envejecimiento



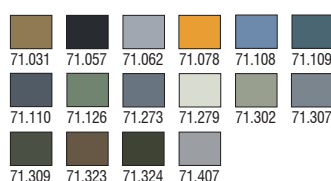
Art. 71.185

WWII USAF Aircraft



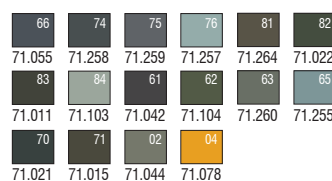
Art. 71.189

WWII British RAF & FAA



Art. 71.193

RLM Colors Colores RLM



Contains leaflet
Contiene folleto

Special Model Air Sets

Collection of Model Air sets for painting models and miniatures. Each one of these sets has a selection of special colors for painting vehicles, figures, etc. The sets contain a color selection of Model Air and a leaflet with painting instructions.

Colección de estuches de colores Model Air para pintar maquetas y miniaturas. Cada uno de los estuches tiene una selección de colores especiales para pintar vehículos, figuras, etc. Los estuches contienen una selección de colores Model Air y folleto con paso a paso.

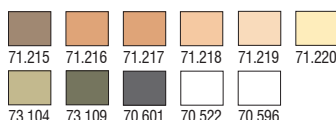
Art. 71.153

Desert War

6 x 17 ml./0.57 fl.oz. Model Air
+ 1 x 17 ml./0.57 fl.oz. Surface Primer
+ 2 x 35 ml./1.18 fl.oz. Pigments
+ 2 x 17 ml./0.57 fl.oz. Auxiliaries

Selection of colors to reproduce zenith lighting (the effect of the overhead sunlight falling on the model). With step by step photographs and instructions by Jose Brito.

Selección de colores para reproducir la luz cenital (efecto de la luz solar sobre el modelo). Ilustrado con fotografías e instrucciones paso a paso de Jose Brito.



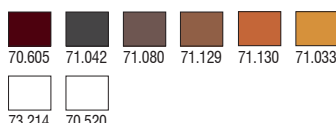
Art. 71.186

Rust & Chipping

8 x 17 ml./0.57 fl.oz. acrylic colors

Selection of airbrush colors to create the effects of rust and wear caused by exposure. With painting instructions and step by step photographs by Chema Cabrero.

Selección de colores de aerografía para crear efectos de óxido y envejecimiento sobre la superficie. Ilustrado con un paso a paso de Chema Cabrero.



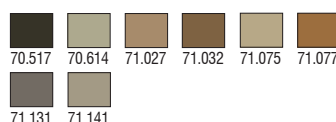
Art. 71.187

Old & New Wood

8 x 17 ml./0.57 fl.oz. Model Air

Set with step by step instructions by Scratchmod, for the creation of new wood and old gray-silver weathered wood effects. The wood colors can be used for such things as boxes and crates as well as tool handles. The old wood colors will help replicate much older and more weathered wood.

Set con paso a paso e instrucciones de uso creadas por Scratchmod, para recrear madera nueva y vieja. Los colores de madera se pueden utilizar para cosas tales como cajas y cajones, así como mangos de herramientas. Los colores de madera envejecida ayudarán a representar la madera más antigua, y más deteriorada.



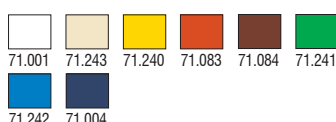
Art. 71.154

Bluelight Set

8 x 17 ml./0.57 fl.oz. Model Air

The Bluelight Set contains the official RAL colors employed in the EEUU (official guide 2005) for use on emergency vehicles, such as ambulances, police vehicles and fire brigades.

El set "Luz Azul" contiene colores que corresponden a los colores RAL designados oficialmente en la EEUU (guía oficial de 2005) para vehículos de emergencia como ambulancias, coches de policía y bomberos.



Special Model Air Sets

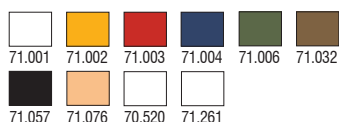
Art. 71.167

Basic Colors & Airbrush

8 x 17 ml./0.57 fl.oz. Model Air
+ 2 x 17 ml./0.57 fl.oz. auxiliaries

Selection of 8 acrylic Model Air colors, 2 auxiliary products, and Ultra Harder & Steenbeck airbrush and color chart.

Selección de 8 colores acrílicos Model Air y 2 productos auxiliares, con un aerógrafo Ultra Harder & Steenbeck y carta de colores.



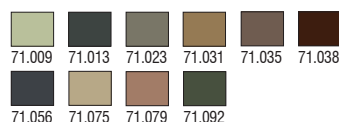
Art. 71.168

Camouflage Colors & Airbrush

10 x 17 ml./0.57 fl.oz. Model Air

Selection of 10 acrylic Model Air colors with an Ultra Harder & Steenbeck airbrush and color chart.

Este estuche contiene una selección de 10 colores acrílicos Model Air, con un aerógrafo Ultra Harder & Steenbeck y carta de colores.



AFV Color Series

The Vallejo AFV series consists of a comprehensive collection of color sets designed to assist the modeler in all steps of painting the models of armored and combat vehicles. The colors have been carefully developed to allow for a faithful reproduction of the historical shades of the colors used, following the norms, military nomenclatures and operational background. In the design of some of these sets we have been assisted by historical and military specialists adjoined to museums and historical societies.

La serie AFV de Vallejo consta de una extensa serie de sets diseñados para facilitar al modelista los procesos de pintura sobre modelos de vehículos y carros de combate. Los tonos han sido cuidadosamente entonados para reproducir fielmente los colores empleados según normativa y nomenclatura militar y su entorno de operaciones. En la confección y diseño de algunos sets intervienen regularmente asesores históricos, militares y personal vinculado a museos y modelistas profesionales.

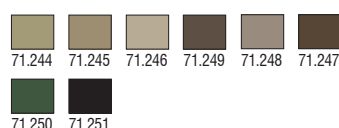
Art. 71.159

German ISAF Colors (Umtarnfarben)

8 x 17 ml./0.57 fl.oz. Model Air

The German ISAF Color set contains a selection colors used for the standard camouflage of vehicles in the EU (NATO), as well as the colors employed to change these patterns for a quick adjustment to the extreme climatic conditions of the dry deserts and mountains of the NATO missions in Mid-East territories.

El set German ISAF Color contiene una selección de colores utilizados para los camuflajes standard de vehículos de los ejércitos de la UE (OTAN), y los colores empleados para cambiar estos camuflajes rápidamente para ajustarlos para misiones en territorios de condiciones climáticas extremas en terrenos secos y desiertos.



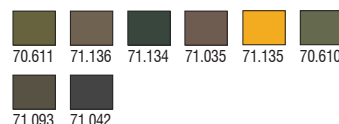
Art. 71.160

IJA Colors Early/Late (1935-1945)

8 x 17 ml./0.57 fl.oz. Model Air

The IJA Colors set contains the colors to paint the camouflages of the Imperial Japanese Army (IJA), and includes the pattern for HA-Go Early Camouflage colors in China & Pacific 1937-1942 and the CHI-HA Late Camouflage colors implemented in 1942.

El set IJA Colors contiene colores para pintar camuflajes del Ejército Imperial Japonés (IJA) con esquemas de pintado para colores HA-Go Early Camouflage en China y Pacífico 1937-1942, y colores del CHI-HA Late Camouflage, implementados en 1942. Con la colaboración de Lothar Limprecht.



AFV Color Series

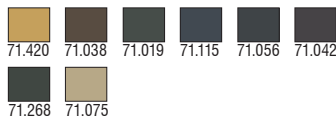
Art. 71.205

German Colors 1927-1941 Camouflage patterns for German vehicles

8 x 17 ml./0.57 fl.oz. Model Air

The German Colors 1927-1941 set contains the colors for painting German vehicles from 1927 to 1941, with camouflage patterns by Euromodelismo.

El set German Colors 1927-1941 contiene colores para pintar los vehículos alemanes de 1927 hasta 1941, con esquemas de camuflaje realizados por Euromodelismo.



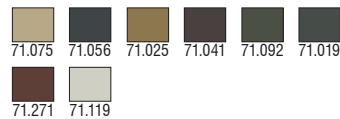
Art. 71.206

German Colors 1940-1945 Camouflage patterns for German vehicles

8 x 17 ml./0.57 fl.oz. Model Air

The German Colors 1940-1945 set contains the colors for painting German vehicles from 1940 to 1945, with camouflage patterns by Euromodelismo.

El set German Colors 1940-1945 contiene colores para pintar los vehículos alemanes de 1940 hasta 1945, con esquemas de camuflaje realizados por Euromodelismo.



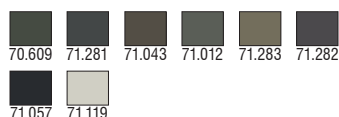
Art. 71.188

Soviet WWII Camo Colors

8 x 17 ml./0.57 fl.oz. Model Air

The Soviet WWII Camo Colors set contains the colors for painting Soviet vehicles from 1935 to 1945. With step by step painting instructions by Adam Wilder and 6 camouflage patterns.

El set Soviet WWII Camo Colors contiene colores para pintar vehículos soviéticos de 1935 hasta 1945. Incluye un paso a paso de Adam Wilder y 6 esquemas de camuflaje.



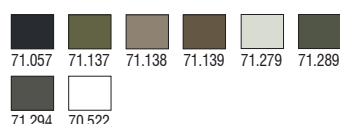
Art. 71.202

MERDC Camo Colors

8 x 17 ml./0.57 fl.oz. Model Air

In the 1970's, the US Mobility Equipment Research & Design Command (MERDC) developed a system of camouflage patterns for US Army vehicles. Each camouflage pattern consists of 4 colors (two primary and two secondary colors); the conditions of the local terrain determined which of the patterns were to be used.

En 1970, la US Mobility Equipment Research & Design Command (MERDC) desarrolló un sistema de patrones de camuflaje para los vehículos de la Ejército Estadounidense. Cada uno de los patrones consistía en 4 colores (dos colores primarios y dos secundarios); que vienen predeterminados según las condiciones del terreno o la estación del año.



AFV Color Series

Art. 71.207

DAK Colors 1941-44

Deutsches Afrika Korps

6 x 17 ml./0.57 fl.oz. Model Air

The set contains all the colors needed to paint the models of AFV and German vehicles operative in DAK units during the 1941-1944 period, starting with the early references from railway depots applied over the colors RAL 7021, to the new colors designed especially for this operative environment, and including Olivgrün for the Tunisia units.

El set incluye todos los tonos necesarios para pintar carros de combate y vehículos encuadrados dentro de las unidades del DAK durante el periodo de 1941 a 1944, desde los tonos iniciales procedentes de uso ferroviario, aplicado sobre el RAL 7021, hasta los nuevos matices especialmente diseñados para ese entorno operativo, incluyendo el Verde Oliva para las unidades estacionadas en Túnez.



Art. 71.210

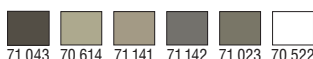
IDF Colors

Israeli Defence Force

6 x 17 ml./0.57 fl.oz. Model Air

This set includes the OD used on the operative vehicles in the beginning of the 1956 Sinai War, the 67 Sand Grey color used in the beginning of the Six Days War, the 73 Sand Grey of the Yom Kippur conflict, the 82 Sinai Grey deployed in Lebanon and the actual shade of 87 Tan Green.

Incluye el verde OD usado en los vehículos operativos durante sus inicios en las Guerras del Sinai del 56, el tono Sand Grey 67 usado desde la Guerra de los seis días, el tono Gris Arena 73 en el conflicto del Yom Kippur, el tono Sinai Grey 82 de los conflictos del Líbano, y el actual Tan Green 87.



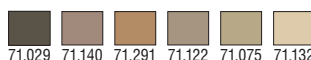
Art. 71.209

US Modern Desert Colors

6 x 17 ml./0.57 fl.oz. Model Air

A set designed to show effects of light, shadow and volume on modern US AFV models as well as on other vehicles in a desert environment. The references included allow the application of several concepts such as panel and zenithal light or color modulation with transition from dark shadow to lighter tones, creating the perception of volume. The set includes step by step instructions to suggest the process of painting and highlights.

Un set diseñado para representar efectos de luz, sombra y volumen sobre los vehículos, equipamiento y blindados americanos contemporáneos. Las referencias permiten aplicar conceptos de iluminación como el panelado, la luz cenital o la modulación de color con transiciones de sombra a tonos más claros, creando percepción de volumen. Incluye un paso a paso como sugerencia de proceso de pintura e iluminación.



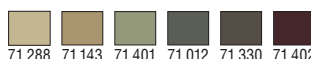
Art. 71.211

British Caunter Colors

6 x 17 ml./0.57 fl.oz. Model Air

This set contains the colors for the application of the well known British Caunter Camouflage scheme on AFV and vehicles, as well as other equipment included in this new ordinance for disruptive camouflage. The colors have been developed especially, following the historical references given in the book by M. Starmar. Also included are the references Purple Light Brown and Light Stone used for the two-tone camouflage scheme.

En este set podemos encontrar las referencias que nos permitirán aplicar el conocido camuflaje tipo Caunter sobre camiones y blindados, así como en otro equipamiento que quedó agrupado por esa nueva normativa de camuflaje disruptivo. Los matices se han estudiado especialmente siguiendo las indicaciones históricas de M. Starmar. Asimismo se incluyen las referencias de Light purple Brown y Light Stone para representar el camuflaje de dos tonos.



AFV Color Series

Art. 71.212

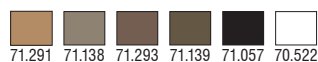
MERDC Desert Colors

Mobility Equipment Research & Design Command

6 x 17 ml./0.57 fl.oz. Model Air

In the 1970s, the US Mobility Equipment Research & Design Command (MERDC) developed a camouflage pattern color system for vehicles of the United States Army. This consisted of a color scheme of standardized patterns for each vehicle, to be used with twelve colors. This set includes all the tones needed to represent the Gray and Red Desert patterns.

En la década de 1970, el US Mobility Equipment Research & Design Command (MERDC) desarrolló un sistema de patrones de camuflaje para vehículos del Ejército de los Estados Unidos. Éstos consistieron de un sistema de patrones estandarizados para cada vehículo, para ser utilizado con un sistema de doce colores. El set incluye todos los tonos necesarios para representar los patrones Grey y Red Desert.



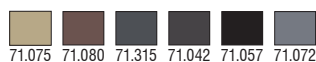
Art. 71.213

Wheels & Tracks

6 x 17 ml./0.57 fl.oz. Model Air

The set includes six colors for the representation of several types of rubber on wheels and covers, for the rubber used on the mixed track links used on modern and Second World War AFV, as well as for the tracks with a rust effect or metal with a polished finish due to abrasion. The color Ivory is used to create effects of dust, using an airbrush or a regular brush.

El set incluye seis referencias, para representar varios tipos de caucho sobre ruedas y cubiertas así como para representar dicho material sobre las cadenas mixtas de carros tanto modernos como de la Segunda Guerra mundial, incluyendo la pintura de cadenas (tracks!!!) con un efecto de óxido o metal pulido por el roce. La referencia Ivory nos permite crear efectos de empolvado sea a pincel o usando aerógrafo.



AFV

Armour Painting System

Airbrush colors for gradations highlights, shadows and volumes

AFV Painting System. Consists in the application of a series of base colors in half and quarter tones, in a gradual change from one shade to another. These effects of light and shadow, contrast and volume, will give the scale model an authentic and realistic appearance.

Colores de aerografía para gradaciones de luces, sombras y volúmenes

Sistema de pintura para Vehículos Blindados. Consiste en la aplicación sucesiva de varias capas graduales aportando una variedad en los tonos con lo que el modelista conseguirá un efecto de luz, sombra, contraste y volumen, aportando un atractivo realismo al modelo.



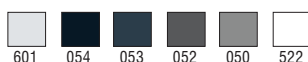
Art. 78.400

AFV Dunkelgrau German Dark Grey

6 x 8 ml./0.27 fl.oz. Model Air

The set contains colors for the German armoured vehicles, with step by step photographs made by Jose Brito. See also our Weathering set for yellow and grey vehicles (Ref. 78.405).

El set contiene colores para vehículos blindados. Incluye paso a paso de Jose Brito. Véase también Estuche Envejecimiento para vehículos amarillos y grises (Ref. 78.405).



Art. 78.401

AFV Dunkelgelb German Dark Yellow

6 x 8 ml./0.27 fl.oz. Model Air

A set with the 6 colors for German armoured vehicles, with step by step photographs made by Jose Brito. See also our Weathering set for yellow and grey vehicles (Ref. 78.405).

El set contiene colores para vehículos blindados. Incluye paso a paso de Jose Brito. Véase también Estuche Envejecimiento para vehículos amarillos y grises (Ref. 78.405).



Art. 78.402

US Army Olive Drab Verde Oliva USA

6 x 8 ml./0.27 fl.oz. Model Air

The set contains the colors US armoured vehicles, with step by step photographs made by Jose Brito. See also our Weathering set for green vehicles (Ref. 78.406).

El set contiene colores para vehículos blindados. Incluye paso a paso de Jose Brito. Véase también Estuche Envejecimiento para vehículos verdes (Ref. 78.406).



Art. 78.403

Russian Green 4BO Verde Ruso 4BO

6 x 8 ml./0.27 fl.oz. Model Air

The set contains the colors for Russian armoured vehicles, with step by step photographs made by Jose Brito. See also our Weathering set for green vehicles (Ref. 78.406).

El set contiene colores para vehículos blindados. Incluye paso a paso de Jose Brito. Véase también Estuche Envejecimiento para vehículos verdes (Ref. 78.406).



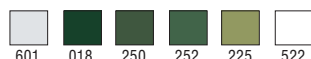
Art. 78.407

UK Bronze Green Verde Bronce UK

6 x 8 ml./0.27 fl.oz. Model Air

This set contains the colors for UK armoured vehicles, with step by step photographs made by Chema Cabrero. See also our Weathering set for green vehicles (Ref.78.406).

Este set contiene colores para vehículos del Ejército Británico. Incluye paso a paso de Chema Cabrero. Véase también Estuche Envejecimiento para vehículos verdes (Ref.78.406).



Art. 78.408

Modern Russian Green Verde Ruso Moderno

6 x 8 ml./0.27 fl.oz. Model Air

Colors for painting Russian armoured vehicles, with step by step photographs made by Chema Cabrero. See also our Weathering set for green vehicles (Ref.78.406).

Colores para pintar vehículos del Ejército Ruso. Incluye paso a paso de Chema Cabrero. Véase también Estuche Envejecimiento para vehículos verdes (Ref.78.406).



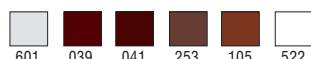
Art. 78.411

German Red Oxide Oxid Rot

6 x 8 ml./0.27 fl.oz. Model Air

German Red Oxide colors for armoured vehicles, with step by step photographs made by Chema Cabrero.

Tonos alemanes de óxido rojo para vehículos blindados. Incluye paso a paso de Chema Cabrero.



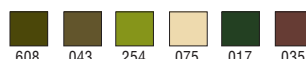
Art. 78.412

US Vietnam Olive Drab

6 x 8 ml./0.27 fl.oz. Model Air

The set contains the US Vietnam colors for armoured vehicles, with step by step photographs made by Joaquín García Gázquez. See also our Weathering set for green vehicles (Ref. 78.406).

El set contiene colores de US Vietnam para vehículos blindados. Incluye paso a paso de Joaquín García Gázquez. Véase también estuche Envejecimiento para vehículos verdes (Ref. 78.406).



AFV Camouflage Colors

Art. 78.409

German Afrika Korps (DAK) 1941/1942

6 x 8 ml./0.27 fl.oz. acrylic colors

The set contains the colors for the early DAK vehicles of the Afrika Korps, with step by step instructions and photographs by Chema Cabrero.

El set contiene los colores de los primeros vehículos DAK de Afrika Korps. Incluye fotografías y paso a paso de Chema Cabrero.



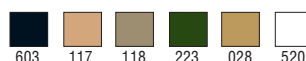
Art. 78.410

German Afrika Korps (DAK) 1942/1944

6 x 8 ml./0.27 fl.oz. Model Air

The set contains the colors for the DAK vehicles after 1942, with step by step photographs and instructions by Chema Cabrero.

El set contiene los colores de los vehículos DAK posteriores a 1942 de Afrika Korps. Incluye fotografías y paso a paso de Chema Cabrero.



AFV Camouflage Colors

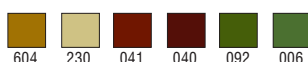
Art. 78.414

German Camouflage 1943/1944

6 x 8 ml./0.27 fl.oz. Model Air

The set contains the Wehrmacht camouflage colors 1943-44 for armoured vehicles, with step by step instructions and photographs by Chema Cabrero.

El set contiene colores de camuflaje Wehrmacht (1943-44), para vehículos blindados. Incluye fotografías y paso a paso de Chema Cabrero.



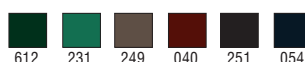
Art. 78.413

NATO Armour Colors

6 x 8 ml./0.27 fl.oz. Model Air

The 6 NATO colors for armoured vehicles are presented in this set, with step by step instructions and photographs by Chema Cabrero.

Contiene los 6 colores de la OTAN para vehículos blindados. Incluye fotografías y paso a paso de Chema Cabrero.



AFV Weathering System

Art. 78.405

Weathering for Yellow/Grey vehicles

6 x 8 ml./0.27 fl.oz. acrylic colors
+ 1 x 9 g./0.32 fl.oz. Pigment

Contains the colors and pigment for weathering armoured vehicles, with step by step instructions and photographs by Jose Brito.

Contiene colores y un pigmento para el envejecimiento y desgaste de vehículos blindados. Incluye fotografías y paso a paso de Jose Brito.



Art. 78.406

Weathering for Green vehicles

6 x 8 ml./0.27 fl.oz. acrylic colors
+ 1 x 9 g./0.32 fl.oz. Pigment

Contains the colors and pigment for weathering armoured vehicles, with step by step instructions and photographs by Jose Brito.

Contiene colores y un pigmento para el envejecimiento y desgaste de vehículos blindados. Incluye fotografías y paso a paso de Jose Brito.



Air War Color Series

Model Air sets developed on the base of intensive research and precise color matching with the Federal Standard 595, RLM and British Standard Colors BS381C color specifications. The sets include the colors for the air plane profiles and camouflage patterns drawn by Mark Rolfe. With the collaboration of "Pieza a Pieza Modelling Workshop".

Estuches de Model Air formulados después de un riguroso estudio y comprobado su tono exacto con la guía Federal Standard 595, RLM y British Standard Colours BS381C. Incluyen perfiles de aviones realizados por Mark Rolfe, en los cuales se indican los colores necesarios para pintar los esquemas de camuflajes y una descripción de los mismos. Con la colaboración de "Pieza a Pieza Modelling Workshop".

Art. 71.155

US Navy & USMC Colors from 70's to present

8 x 17 ml./0.57 fl.oz. Model Air

Set of Model Air colors developed for painting the color schemes of most of the US NAVY and USMC aircraft in service since the seventies to the present.

Estuche de colores Model Air desarrollado para pintar los esquemas de la mayoría de los aviones de la US NAVY y USMC de la década de los 70 hasta la actualidad.



FS37875 AV71.279	FS36440 AV71.121	FS35237 AV71.114	FS36118 AV71.097	FS36231 AV71.277	FS36320 AV71.120	FS36375 AV70615	FS36495 AV71.276
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FS36440: Upper surface color for carrier-based US Navy aircraft from 1955 to 1977. Employed in combination with FS17875 for the lower surface. Also general finish for TPS 1977 color scheme and "Ferris" camouflage. **FS37875:** Lower surface color for carrier-based US Navy aircraft from 1955 to 1977. Employed in combination with FS36440 or FS16440 for upper surface. **FS35237:** Low visibility TPS color scheme for carrier-based aircraft starting 1980. Combined with FS36375/36320. For example see aircraft: F-4S, F-14D, A-6E, EA-6B, etc. **FS36118:** Low visibility TPS color scheme for USMC aircraft starting 1980. Combined with FS36320/36231. For example see AV-8B Harrier. **FS36231:** Low visibility TPS for

USMC aircraft starting 1980. Combined with FS36118/36320. For example see AV-8B Harrier. **FS36320:** Low visibility TPS color scheme for carrier-based aircraft starting 1980. Combined with FS35237/36375. For examples see aircraft F-4S, F-14D, A-6E, EA-6B, etc. **FS36375:** Low visibility TPS color scheme for carrier-based aircraft starting 1980. Combined with FS35237/36320. For examples see aircraft F-4S, F-14D, A-6E, EA-6B, etc. **FS36495:** Low visibility TPS color scheme for the first models of F/A-18 aircraft, starting 1980. Combined with FS36375/35237.

Art. 71.156

USAF Colors "Grey Schemes" from 70's to present

8 x 17 ml./0.57 fl.oz. Model Air

Set of Model Air colors developed for painting the low visibility grey color schemes ("Hill", "Mod Eagle", "Ghost", etc.) of the USAF aircraft from the seventies to the present.

Estuche de colores Model Air desarrollado para pintar esquemas grises de baja visibilidad ("Hill", "Mod Eagle", "Ghost", etc.) de los aviones de la USAF de la década de los 70 hasta la actualidad.



FS36231 AV71.277	FS36118 AV71.097	FS36176 AV71.273	FS36251 AV71.274	FS36270 AV71.275	FS36320 AV71.120	FS36375 AV70615	FS36495 AV71.276
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FS36231: Interior cockpit color in the USAF fighters (F-4, F-15, F-16, etc.). **FS36118:** Color scheme "Ferris", "Egypt" and "Hill". Combined with FS36270/36320/36375. Example aircraft F-4G, A-10C, F-16C. **FS36176:** Color schemes "Mod Eagle" and "Ghost". Combined with FS36251/36375. Example aircraft F-15C, F-22A. **FS36251:** Color scheme "Mod Eagle" and "Ghost". Combined with FS36176/36375. Example aircraft F-15C, F-22A. **FS36270:** Color scheme "Egypt" and "Hill". Combined

with FS36118/36375. Example aircraft F-4G, F-16C. **FS36320:** Color scheme "Ghost" and "Hill". Combined with FS36118/36375. Example aircraft: A-10C, F-15C. **FS36375:** Color scheme "Ghost", "Egypt", "Hill", "Ferris" and "Mod Eagle". Combined with FS36118/36176/36251/36270/36320. See example aircraft: F-15C, A-10C, F-16C, F-22A. **FS36495:** Color scheme "Ghost" First models F/A-18's. Also color scheme "Flipper" (A-10A) and Agressor "MIG-29" (F-16).

Air War Color Series

Art. 71.157

US Navy & USMC Colors WWII 1940-1945

8 x 17 ml./0.57 fl.oz. Model Air

Set with Model Air colors developed for painting the principal camouflage patterns of most of the US NAVY & USMC aircraft used in WWII.

Estuche de colores Model Air desarrollado para pintar los principales esquemas de la mayoría de los aviones de la US NAVY & USMC utilizados en la Segunda Guerra Mundial.



M-485
FS 35189
AV71.109

M-495
FS 36357
AV71.298

ANA 601
FS 37875
AV71.279

ANA 607
FS 35042
AV71.295

ANA 608
FS 35164
AV71.299

ANA 620
FS 36440
AV71.121

ANA 621
FS 36231
AV71.277

ANA 623
FS 15042
AV71.300

M-485 Blue Gray (FS 35189): Color used for upper surface, combined with M-496, since August 1941 to the beginning of 1943. **M-495 Light Gray (FS 36357):** Monochromatic color scheme for all aircraft surfaces starting December 1940 until summer 1941 and for lower surfaces, combined with M-485, starting August 1941 until January 1943. **ANA 601 Insignia White (FS 37875):** Color used for numbers, insignias, etc., during the entire War. For lower surfaces, a tricolor scheme (ANA 607/ANA 608/ANA 601) was used from January 1943 to June 1944. Lower surface and sides color scheme ASW I & II Atlantic Zone. **ANA 607 NS Sea Blue (FS 35042):** Upper surface tricolor scheme (ANA 607/ANA 608/ANA 601), from January 1943 until June

1944. **ANA 608 Intermediate Blue (FS 35164):** Side fuselage tricolor scheme (ANA 607/ANA 608/ANA 601), from January 1943 until June 1944. **ANA 620 Light Gull Gray (FS 36440):** Side fuselage color scheme ASW I Atlantic Zone (ANA 621/ANA 620/ANA 601), from January 1943 until the end of the war. **ANA 621 Dark Gull Gray (FS 36231):** Upper surface color scheme ASW I & II Atlantic Zone (ANA 621/ANA 620/ANA 601), from January 1943 until the end of the war. **ANA 623 Glossy Sea Blue (FS 15042):** Monochromatic color scheme for all aircraft surfaces from June 1944 until the end of the war. This color is the same as ANA 607 but with a gloss finish.

Art. 71.183

US Army Air Corps Colors (MTO) WWII

8 x 17 ml./0.57 fl.oz. Model Air

Set with Model Air colors developed for painting the camouflage patterns of most of the US ARMY AIR CORPS aircraft deployed in the Mediterranean Theater of Operations (MTO) during WWII.

Estuche de colores Model Air desarrollado para pintar los esquemas de camuflaje de la mayoría de los aviones del US ARMY AIR CORPS utilizados en el Teatro de Operaciones Mediterráneo (MTO) durante la Segunda Guerra Mundial.



N.41
AV71.316

N.43
FS 36173
AV71.051

ANA 609
FS 35231
AV71.108

ANA 611
FS 34151
AV71.137

ANA 615
FS 30266
AV71.031

ANA 616
FS 30279
AV71.140

ANA 617
FS 30118
AV71.139

Zinc Chromate
Yellow
AV71.107

N. 41 Olive Drab: Due to the large stock available this color was used before and during the entire war on the upper surfaces of all types of US ARMY aircraft. **N. 43 Neutral Gray (FS 36173):** Color used before and during the War, owing to the great quantity of stock available, on lower surfaces of all kinds of aircraft in the US ARMY. **ANA 609 Azure Blue (FS 35231):** Lower color desert pattern of the RAF, adopted by the USAAF, combined with ANA 615/ANA 617 on upper surfaces. **ANA 611 Interior Green (FS 34151):** Standard color for most cockpits and crew areas throughout the entire war. **ANA 615 Mottled Green (FS 30266):** Upper surface color desert pattern combined with ANA 617 and ANA 609 on the lower part of the fuselage. Similar to RAF color for

operations in this theatre of operations. **ANA 616 Desert Sand (FS 30279):** Color developed for the USAAF for dry and desert theatres of operations. Color was applied to the upper surface only, or combined with ANA 613 Olive Drab, and lower surface N.43 Neutral Gray. **ANA 617 Dark Earth (FS 30118):** Upper surface color desert pattern, combined with ANA 615 and ANA 609 for lower surfaces, similar to the RAF colors for this theatre of operations. **Zinc Chromate Yellow:** Basic primer used by the aeronautic industry to protect interior and exterior structures.

Air War Color Series

Art. 71.184

US Army Air Corps Colors (CBI) Pacific Theater WWII

8 x 17 ml./0.57 fl.oz. Model Air

Set with Model Air colors developed for painting the camouflage patterns of most of the aircraft of the US ARMY AIR CORPS deployed in the China/Burma/India (CBI) Theater of Operations, as well as in the Pacific Campaign during WWII.

Estuche de colores Model Air desarrollado para pintar los esquemas de la mayoría de los aviones de la US ARMY AIR CORPS utilizados en el teatro de operaciones China/Burma/India (CBI), así como en la campaña del Pacífico durante la Segunda Guerra Mundial.



Curtiss Brown
AV71.125

Curtiss Green
AV71.294

Curtiss Grey
AV71.296

N.43
FS36173
AV71.051

ANA 611
FS34151
AV71.137

ANA 612
FS34092
AV71.124

ANA 613
FS 34088
AV71.016

Aluminum
AV71.062

Curtiss Brown DuPont: Upper surface color combined with Curtiss Green, manufactured by DuPont according to RAF specifications for aircraft based in UK and deployed by USAAF. **Curtiss Green DuPont:** Upper surface color combined with Curtiss Brown manufactured by DuPont according to RAF specifications for aircraft based in UK and deployed by USAAF. **Curtiss Gray DuPont:** Lower surface color combined with Curtiss Green and Curtiss Brown manufactured by DuPont according to RAF specifications for aircraft based in UK and deployed by USAAF. **N. 43 Neutral Gray (FS 36173):** Due to the large stocks available, this color was used before and during the entire War for lower surfaces on all types of US Army aircraft.

ANA 611 Interior Green (FS 34151): Standard color for most cockpits and crew areas throughout the entire war. **ANA 612 Medium Green (FS 34092):** Color used occasionally on N. 41/ANA 613 in the form of irregular patches to break the outline the profile of the aircraft. Principally used for bombers. **ANA 613 Olive Drab (FS 34088):** Color which substitutes color N. 41 Olive Drab starting 1942 according to the new ANA specification. Due to the large stock of N. 41 available, both tones coexisted all during the War. **Aluminum:** At the beginning of 1944, the obligation to paint the aircraft was abolished, and planes left the factory in natural, unpainted metal.

Art. 71.182

US Army Air Corps Colors (ETO) WWII

8 x 17 ml./0.57 fl.oz. Model Air

Set with Model Air colors developed for painting the principal camouflage patterns of most of the US ARMY AIR CORPS aircraft deployed in the European Theater of Operations (ETO) during WWII.

Estuche de colores Model Air desarrollado para pintar los principales esquemas de camuflaje de la mayoría de los aviones de la US ARMY AIR CORPS utilizados en el Teatro de Operaciones Europeo (ETO) durante la Segunda Guerra Mundial.



N. 41
AV71.316

N. 43
FS 36173
AV71.051

ANA 603
FS 36118
AV71.097

ANA 611
FS 34151
AV71.137

ANA 612
FS 34092
AV71.124

ANA 613
FS 34088
AV71.016

Zinc Chrom.
Yellow
AV71.107

Aluminum
AV71.062

N. 41 Olive Drab: Due to the large stock available, this color was used before and during the entire War on the upper surfaces of all kinds of US ARMY aircraft. **N. 43 Neutral Gray (FS 36173):** Due to the large stock available, this color was used before and during the entire War on the lower surfaces of all kinds of US ARMY aircraft. **ANA 603 Sea Gray (FS 36118):** Color which replaces N.43 Neutral Gray beginning 1.942 according to the new norm ANA. The large stock of N.43 available resulted in both colors coexisting during the entire War. **ANA 611 Interior Green (FS 34151):** Standard Color in most cockpits and crew areas during the entire War. **ANA 612 Medium Green (FS 34092):** Color used occasionally on N. 41/ANA 613 in the form of irregular patches

to break the outline the profile of the aircraft. Principally used for bombers. **ANA 613 Olive Drab (FS 34088):** Color which substitutes N. 41 Olive Drab starting 1942, in accordance with the new ANA guidelines. The large quantity available of N.41 caused both colors to coexist. **Zinc Chromate Yellow:** Basic primer employed in the aeronautic industry to protect the interior and exterior structure. **Aluminum:** At the beginning of 1944, the obligation to paint the aircraft was abolished, and planes left the factory in natural, unpainted metal.

Air War Color Series

Art. 71.165

Luftwaffe Colors Pre-War to 1941

8 x 17 ml./0.57 fl.oz. Model Air

Set of Model Air colors developed for the camouflage patterns of any type WWII Luftwaffe aircraft previous to the WWII and the Spanish Civil War (Condor Legion), as well as for the campaigns and initial phases of the conflict in Poland, Northern Europe, and the battles of France and England.

Estuche de colores Model Air desarrollado para pintar esquemas de camuflaje de cualquier tipo de avión de la Luftwaffe, previos a la Segunda Guerra Mundial y Guerra Civil Española "Legión Cóndor", así como las campañas o fases iniciales del conflicto: Polonia, Países Nórdicos, Batalla de Francia, Batalla de Inglaterra, etc.



	RLM 61 AV71.042		RLM 62 AV71.104		RLM 63 AV71.260		RLM 65 AV71.255		RLM 70 AV71.021		RLM 71 AV71.015		RLM 02 AV71.044		RLM 04 AV71.078
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RLM 61: Standard upper surface camouflage color, combined with RLM 62/63. Pre-WWII and "Legión Cóndor". Fighters, bombers, reconnaissance and transport aircraft, etc. **RLM 62:** Standard upper surface camouflage color, combined with RLM 61/63. Pre-WWII and "Legión Cóndor". Fighters, bombers, reconnaissance and transport aircraft, etc. **RLM 63:** Standard upper surface camouflage color, combined with RLM 61/62. Pre-WWII and "Legión Cóndor". Fighters, bombers, reconnaissance and transport aircraft, etc. **RLM 65:** Standard lower surface color, used on fighters until middle 1941, and all other aircraft (bombers, reconnaissance, transport and maritime, etc.) from 1938 to 1945. **RLM 70:** Standard camouflage color for upper surface, combined with RLM 71. Fighters from 1938 to beginning 1940, and

other aircraft (bombers, reconnaissance, transport, etc.) from 1938 to 1945. **RLM 71:** Standard camouflage color for upper surface, combined with RLM 70. Fighters from 1938 to beginning of 1940, and other aircraft, (bombers, reconnaissance, transport, etc.) from 1938 until 1945. **RLM 02:** Color for interiors until middle 1941, and upper camouflage for fighters, combined with RLM 71 until 1941, and mottled camouflage until 1945. **RLM 04:** Color for tactical identification (fuselage stripes, wing tips, engine zone, etc.) and for lettering, numbers and insignia. From 1938 until 1945.

Art. 71.166

Luftwaffe Colors 1941 to End-War

8 x 17 ml./0.57 fl.oz. Model Air

Set of Model Air colors developed for the camouflage patterns of all Luftwaffe models of fighters (single-engine, heavy and night fighters) starting in 1941, as well as the colors employed towards the end of the war (1944-45) on the latest models of interceptors, and on the revolutionary new jets and latest model aircraft.

Estuche de colores Model Air desarrollado para pintar los esquemas de camuflaje de todo tipo de caza (monomotor, pesado y nocturno) de la Luftwaffe a partir de 1941, así como los tonos del final de la guerra (1944-45) usados en los últimos modelos de interceptores y los revolucionarios reactores y aviones de última generación.



	RLM 66 AV71.055		RLM 74 AV71.258		RLM 75 AV71.259		RLM 76 AV71.257		RLM 81 AV71.264		RLM 82 AV71.022		RLM 83 AV71.011		RLM 84 AV71.103
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RLM 66: Interior cockpit color from 1940 to 1945. **RLM 74:** Standard upper surface camouflage color, combined with RLM 75. For all fighter models, (single engine, heavy- and night fighters). From middle 1941 to 1945. **RLM 75:** Standard upper surface camouflage color, combined with RLM 74. For all fighter models, (single engine, heavy- and night fighters). From middle 1941 to 1945. **RLM 76:** Standard lower surface color. For all fighter models, (single engine, heavy- and night fighters). From middle 1941 to 1945. **RLM 81:** Upper surface camouflage color, combined with one or more colors (RLM 82/83/75). All types of fighters, (single engine, heavy- and night fighters), and late generation bombers. From 1944

to 1945. **RLM 82:** Upper surface camouflage color, combined with one or more colors (RLM 81/83/75). All types of fighters, (single engine, heavy- and night fighters), and late generation bombers. From 1944 to 1945. **RLM 83:** Upper surface camouflage color, combined with 1 or more colors (RLM 81/82/75). All types of fighters, (single engine, heavy- and night fighters), and late generation bombers. From 1944 to 1945. **RLM 84:** Alternative color to RLM 76, for lower surfaces on single engine fighters (Me. 109 & Fw. 190). From 1944 to 1945.

Air War Color Series

Art. 71.164

Luftwaffe Maritime & Tropical Colors

8 x 17 ml./0.57 fl.oz. Model Air

Set of Model Air colors developed for the painting of Luftwaffe camouflage patterns developed for aircraft in maritime deployment, as well as for the colors used for any type of aircraft operating in the North African campaign and the Mediterranean zone starting in 1941.

Estuche de colores Model Air desarrollado para pintar los esquemas de camuflaje de la Luftwaffe, diseñados para los aparatos de uso marítimo, así como los tonos empleados por cualquier tipo de avión operativo en la campaña del norte de África y área del Mediterráneo a partir de 1941.



RLM 65
AV71.255

RLM 72
AV71.263

RLM 73
AV71.256

RLM 78
AV71.101

RLM 79
AV71.278

RLM 80
AV71.265

RLM 02
AV71.044

RLM 66
AV71.055

RLM 65: Standard color for lower surface, for fighters from 1938 to the middle of 1941, and for rest of aircraft (bombers, reconnaissance, transport and maritime, etc.) from 1938 to 1945. **RLM 72:** Standard camouflage color for upper surfaces, combined with RLM 73. All types of seaplanes, (hidros, reconnaissance, attack, etc.) from 1938 to 1945. **RLM 73:** Standard camouflage color for upper surfaces combined with RLM 72. All types of seaplanes, (hidros, reconnaissance, attack, etc.) from 1938 to 1945. **RLM 78:** Standard lower surface color for all types of aircraft (fighters, bombers, reconnaissance, transport, etc.) deployed in desert and tropical terrain. From 1941 to 1943/44. **RLM 79:** Standard camouflage color

for upper surfaces, used by itself or combined with RLM 80. For all kinds of aircraft (fighters, bombers, reconnaissance, transport, etc.) deployed in desert and tropical terrain. From 1941 to 1943/44. **RLM 80:** Camouflage color for upper surface, combined with RLM 79. For all kinds of aircraft (fighters, bombers, reconnaissance, transport, etc.) deployed in desert and tropical terrain. From 1941 to 1943/44. **RLM 02:** Interior cockpit color until the middle of 1941. Combined with RLM 71 used as upper surface camouflage color for fighters until 1941 and for mottled camouflage until 1945. **RLM 66:** Interior cockpit color employed from the middle of 1940 to 1945.

Art. 71.144

RAF Colors Special "Battle of Britain"

8 x 17 ml./0.57 fl.oz. Model Air

Set of Model Air colors developed for painting the RAF fighter aircraft which participated in the major air battle of all times, "The Battle of Britain", from the beginning in July 1940 to the final phase or "Night Blitz" in May 1941.

Estuche de colores Model Air desarrollado para pintar los cazas de la RAF que participaron en el mayor choque aéreo de todos los tiempos: "La batalla de Inglaterra", desde su comienzo en Julio de 1940, y su fase final o "Blitz Nocturno" en Mayo de 1941.



BS 450
AV71.323

BS 241
AV71.324

BS 210
AV71.302

BS 216
AV71.009

BS 101
AV71.404

BS 642
AV71.057

BS 283
AV71.126

FS 34373
AV71.305

Dark Earth (BS 450): Combined with Dark Green and other colors, camouflage for the upper surface, used since 1937 and during the entire war on all types of aircraft and fronts. **Dark Green (BS 241):** Combined with Dark Earth or other colors for camouflage of the upper surface, used since 1937 and during the entire war on all types of aircraft and fronts. **Sky Type S (BS 210):** Lower color introduced in June 1940 for all kinds of aircraft and daytime use (RAF & FAA); also used for tactical markings, numbers and identification. **Eau de Nil "Duck Egg Green" (BS 216):** Lower color alternative for Sky Type S, much used at the beginning of the war for fighters and bombers with "Temperate Land" camouflage schemes, also for tactical markings. **No. 1 Sky Blue "Duck**

Egg Blue" (BS 101): Lower color alternative to Sky Type S, at beginning of war in fighters and bombers with color scheme "Temperate Land", Coastal Command and tactical markings. **Night Black (BS 642):** Lower parts of aircraft for daytime use combined with White and/or Aluminum or Sky Type S, from 1937 to April 1941. All lower surfaces of all kinds of aircraft for night use during the entire war. **Interior Grey-Green (BS 283):** Interior Color commonly used mostly on interior structures, cockpits and crew compartments on all types of aircraft of the RAF & FAA. **Interior Grey-Green (FS 34373):** Color variation for interior color BS 283, much used on interior structures, cockpits and crew compartments on all types of aircraft of the RAF & FAA.

Air War Color Series

Art. 71.145

RAF Colors Bomber & Training Air Command 1939-1945

8 x 17 ml./0.57 fl.oz. Model Air

Set of Model Air colors developed for painting all the bombers (light, medium and heavy) of the Bomber Air Command of the RAF from 1939 until the end of WWII. This set also includes "Trainer Yellow" which, combined with the other colors or by itself, can be used for most of the training aircraft and prototypes.

Estuche de colores Model Air desarrollado para pintar todos los bombarderos (ligeros, medios y pesados) del Bomber Air Command de la RAF desde 1939 hasta final de la guerra. Incluye el color "Trainer Yellow", que combinado con el resto de tonos o a solas nos permitirá decorar la mayoría de aparatos de entrenamiento, enlace e incluso prototipos.



BS 450
AV71.323

BS 241
AV71.324

BS 642
AV71.057

BS 637
AV71.307

BS 210
AV71.302

FS 34373
AV71.305

BS 283
AV71.126

BS 356
AV71.078

Dark Earth (BS 450): Color for upper surface, combined with Dark Green (Temperate Land Scheme), from 1939 until the end of the war, for Bombers in day and night time missions. **Dark Green (BS 241):** Color for upper surface, combined with Dark Earth (Temperate Land Scheme) o Medium Sea Grey ("Mosquito Bombers"), from 1939 until the end of the war. Day and night time Bombers. **Night Black (BS 642):** Color for the lower surface of night-bombers, combined with Dark Earth/Dark Green on the upper surface (Temperate Land Scheme). From 1939 until the end of the war. **Medium Sea Grey (BS 637):** Color for the lower and upper surface of "Mosquito" bombers 1944-45, combined with Dark Green. Also used for numbers and codes. **Sky Type S (BS 210):** Color for the lower surface, combined with Dark Earth/

Dark Green (Temperate Land Scheme) and for the upper surface, from 1939 until the end of the war. Also used for numbers, codes and fuselage stripes. **Trainer Yellow (BS 356):** Color for lower surface or entire aircraft (1942-1945), for training aircraft, aircraft for liaison and tug targets (striped with Night Black), combined with Dark Earth/Dark Green (Temperate Land Scheme) on the upper surface starting 1939 until the end of the war. Also for numbers, codes and fuselage stripes. **Interior Grey-Green (BS 283):** Interior color, mostly used for interior structures, cockpits and crew areas of all types of RAF and FAA aircraft. **Interior Grey-Green (FS 34373):** Variation of the interior color BS 283, mostly used in interior structures, cockpits and crew areas of all types of RAF and FAA aircraft.



Art. 71.148

RAF Colors Coastal Command 1939-1945

8 x 17 ml./0.57 fl.oz. Model Air

Set of Model Air colors developed for painting the aircraft of the RAF Coastal Command, for land based aircraft as well as for seaplanes, from 1939 until the end of the war.

Estuche de colores Model Air desarrollado para pintar los aviones del Mando Costero de la RAF (Coastal Command), tanto aparatos basados en tierra como hidroaviones, desde 1939 hasta final de guerra.



BS 450
AV71.323

BS 241
AV71.324

BS 640
AV71.110

BS 634
AV71.309

BS 210
AV71.302

FS 35550
AV71.306

BS 642
AV71.057

FS 37875
AV71.279

Dark Earth (BS 450): Color for upper surface, combined with Dark Green (Temperate Sea Scheme), from 1939 to 1941, used on land based aircraft, for all kinds of missions. **Dark Green (BS 241):** Color for upper surface of the plane, combined with Dark Green (Temperate Sea Scheme), from 1939 to 1941, used on land based aircraft, for all kinds of missions. **Extra Dark Sea Grey (BS 640):** Color for upper surface, combined with Dark Slate Grey (Temperate Sea Scheme) from July 1941 until the end of the war, or by itself (1944-45), for all types of aircraft and missions. **Dark Slate Grey (BS 634):** Color for the upper surface, combined with Extra Dark Sea Grey (Temperate Sea Scheme), from July 1941 until the end of the war for all types of planes and missions. **Sky Type S (BS 210):** Color for lower surface, with Dark Earth/Dark Green o Extra Dark Sea Grey/Dark Slate

Grey (Temperate Sea Scheme) on the upper part from 1939 until the end of the war. Also used for numbers, codes and fuselage stripes. **Sky Blue (FS 35550):** Color for lower surface, combined with Dark Earth/Dark Green or Extra Dark Sea Grey/Dark Slate Grey (Temperate Sea Scheme) on the upper part from 1939 to 1941. **Night Black (BS 642):** Color for lower surface combined with Dark Earth/Dark Green on the upper surface (Temperate Sea Scheme) or Extra Dark Sea Grey/Dark Slate Grey, from September 1940 to June 1941. **White (FS 37875):** Color for lower surface and sides combined with Extra Dark Sea Grey/Dark Slate Grey on the upper surface (Temperate Sea Scheme). From July 1941 until the end of the war.



Air War Color Series

Art. 71.146

RAF Colors SEAC (Air Command South East Asia) 1942-1945

8 x 17 ml./0.57 fl.oz. Model Air

Set of Model Air colors formulated for painting all models of aircraft of the RAF in the SEAC (Air Command South East Asia) based in the British colonies in the Far East.

Estuche de colores Model Air desarrollado para pintar todo tipo de avión de la RAF del SEAC (Air Command South East Asia), destinados en las colonias británicas del "Far East".



	BS 450 AV71.323		BS 241 AV71.324		BS 629 AV71.273		BS 637 AV71.307		BS 210 AV71.302		FS 35550 AV71.306		BS 642 AV71.057		FS 37875 AV71.279
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Dark Earth (BS 450): Upper surface color, combined with Dark Green. From 1941 until the end of the war. **Dark Green (BS 241):** Upper surface color combined with Dark Earth or Ocean Grey. From 1941 until the end of the war. **Ocean Grey (BS 629):** Upper surface color combined with Dark Green. From 1942 until the end of the war. **Medium Sea Grey (BS 637):** Lower surface color combined with Dark Earth/Dark Green or Ocean Grey/Dark Green on the upper surface from 1942 until the end of the war. Also used for numbers and codes. **Sky Type S (BS 210):** Lower surface color, combined with Dark Earth/Dark Green on the upper

surface from 1941 until 1943. Also used for numbers, codes and fuselage stripes. **Sky Blue (FS 35550):** Lower surface color combined with Dark Earth/Dark Green on the upper surface starting in 1941 until the beginning of 1942. Also used for numbers, codes and fuselage stripes. **Night Black (BS 642):** Lower surface color together with Sky Type S or Sky Blue, combined with Dark Earth/Dark Green on the upper surface (Temperate Land Scheme) from 1941 until beginning 1942. **White (FS 37875):** Color for theater of operation identification stripes on the fuselage and wing surfaces, also used for numbers and codes.

Art. 71.162

RAF Colors Day Fighters 1941-1945 & P.R.U.

8 x 17 ml./0.57 fl.oz. Model Air

Set of Model Air colors developed for painting the RAF Day Fighter aircraft from August 1941 until the end of the War, as well as the HF Interceptors (High Fighters). The set also includes colors for the PRU (Photographic Reconnaissance Unit) aircraft.

Estuche de colores Model Air desarrollado para pintar los caza diurnos de la RAF desde Agosto de 1941 hasta el final de la Guerra, así como Interceptores de "Alta Cota" HF (High Fighters). También incluye los tonos para decorar aviones de Reconocimiento Fotográfico o PRU.



	BS 629 AV71.273		BS 241 AV71.324		BS 637 AV71.307		BS 210 AV71.302		BS 636 AV71.109		PRU Pink AV71.408		BS 642 AV71.057		FS 37875 AV71.279
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Ocean Grey (BS 629): Upper surface camouflage scheme for day fighters (Temperate Land) combined with Dark Green, used from 1941 until the end of the war. **Dark Green (BS 241):** Upper surface camouflage scheme for day fighters (Temperate Land) combined with Dark Green, used from 1941 until the end of the war. **Medium Sea Grey (BS 637):** Lower surface color scheme for day fighters (Temperate Land) combined with Dark Green/Ocean Grey, used since 1941 until the end of the war and for upper surface fighters HF fighters combined with PRU Blue. **Sky Type S (BS 210):** Tactical markings, numbers and identification, as well as propeller

cones. **P.R.U. Blue (BS 636):** General color for Photographic Reconnaissance Units (PRU) of medium and high altitudes. Also used for lower part of HF fighters. **P.R.U. Pink (FS 31668):** General color for Photographic Reconnaissance Units (PRU) of medium and low altitudes. **Night Black (BS 642):** Invasion stripes alternating with the color White, for fuselage and both sides of the central part of the wings. Used before and during "D" day and the invasion of Normandy. **White (FS 37875):** Invasion stripes alternating with the color Night Black, for fuselage and both sides of the wings. Used before and during "D" day and the invasion of Normandy.

Air War Color Series

Art. 71.163

RAF Colors Desert Scheme & M.T.O. 1940-1945

8 x 17 ml./0.57 fl.oz. Model Air

Set of Model Air colors developed for painting all types of RAF aircraft with the color patterns "Tropical Land Scheme", "Desert Scheme", "Special Coastal Scheme", etc. from June 1940 until the end of the War, in North Africa and the Mediterranean theatre.

Estuche de colores Model Air desarrollado para pintar todo tipo de avión de la RAF, esquemas "Tropical Land Scheme", "Desert Scheme", "Special Coastal Scheme", etc. desde Junio de 1940 hasta el final de la Guerra, en el norte de África y el área del Mediterráneo.



FS 35550 AV71.306	FS 35231 AV71.108	FS 35177 AV71.113	FS 35050 AV71.313	BS 241 AV71.324	BS 450 AV71.323	BS 210 AV71.302	BS 362 AV71.031
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Dark Earth (BS 450): Color upper surface at the beginning of the conflict and "Tropical Land Scheme", "Desert Scheme", combined with Dark Green, Middle Stone or Light Earth. From 1940 until end of war. **Dark Green (BS 241):** Color upper surface at the beginning of the conflict and scheme "Tropical Land Scheme", combined with Dark Earth, Middle Stone or Light Earth. From June 1940 to end of 1941. **Sky Blue (FS 35550):** Color of lower surface at the beginning of the conflict June/July 1940 until the end of 1941, combined with Dark Earth and Middle Stone. **Middle Stone (BS 362):** Color for upper surface of "Tropical Land Scheme" and "Desert Scheme", replacing Dark Green. From the beginning of 1941 until the end of the war. **Sky Type S (BS 210):** Color lower surface at the beginning of the conflict (June/

July 1940) until the end of that year, as well as for special patterns for aircraft based on Malta. **Dark Mediterranean Blue (FS 35050):** Color for upper surface of scheme "Special Coastal" combined with Light Mediterranean Blue. For aircraft based on Malta for all kinds of special maritime operations. **Light Mediterranean Blue (FS 35117):** Color for upper surface of scheme "Special Coastal" combined with Dark Mediterranean Blue. For aircraft based on Malta for all kinds of special maritime operations. Also alternative lower section color Azure Blue. **Azure Blue (FS 35231):** Lower surface color of most aircraft of all types for North African and Mediterranean Theater of Operations starting at the end of 1940/ beginning 1941 until the end of the war.

Art. 71.149

RAF Day Fighters Pre-War to 1941

8 x 17 ml./0.57 fl.oz. Model Air

Set of Model Air colors. developed for painting the RAF fighter camouflage scheme "Temperate Land" in its different color combinations from the years before WWII (starting in 1937) and the beginning of the conflict in 1939, with the first battles in Norway, Netherlands, France and England, until August 1941. The set also includes the colors for the "Shadow Compensation" color scheme used in biplanes of all models and deployment.

Estuche de colores Model Air desarrollado para pintar el esquema de camuflaje "Temperate Land" de los caza de la RAF y sus distintas combinaciones de colores, desde los años previos a la II GM (a partir de 1.937), el estallido del conflicto en 1939 con las batallas iniciales en Noruega, Países Bajos, Francia e Inglaterra, hasta Agosto de 1941. También incluye los tonos para el esquema "Shadow Compensation" utilizado en biplanos de todo tipo y rol.



BS 450 AV71.323	BS 241 AV71.324	FS 30257 AV71.291	Light Green AV71.403	BS 210 AV71.302	FS 37875 AV71.279	BS 642 AV71.057	FS 37178 AV71.062
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Dark Earth (BS 450): Combined with Dark Green and other colors for camouflage of the upper surface, used from 1937 and during the entire war on all kinds of aircraft and fronts. **Dark Green (BS 241):** Combined with Dark Earth and other colors, for camouflage of the upper surface, used from 1937 and during the entire war on all kinds of aircraft and fronts. **Light Earth (FS 30257):** Combined with Light Green, camouflage for the lower surface (fuselage and wings) biplanes "Shadow" color scheme. First tropical and desert camouflage schemes, combined with other colors. **Light Green (FS 34102):** Combined with Light Earth, camouflage for the lower surface (fuselage and wings) biplanes "Shadow" color scheme. First tropical and desert camouflage schemes

combined with other colors. **Sky Type S (BS 210):** Lower color introduced in June 1940 for all types of aircraft and daytime deployment (RAF & FAA). Also for tactical markings, numbers and identification. **White (FS 37875):** Color for lower surface of aircraft daytime deployment, combined with Night Black and/or Aluminum, from 1937 until June 1940. **Night Black (BS 642):** Color for lower surface of aircraft in daytime deployment, combined with White and/or Aluminum or Sky Type S, from 1937 until April 1941. Also for all lower surfaces of aircraft nocturnal deployment, during the entire war. **Aluminum (FS 37178):** General color for all surfaces before 1937 and from then on only for the lower surface of fighters, combined with White and Night Black.

Air War Color Series

Art. 71.147

FAA (FLEET AIR ARM) Colors 1939-1945

8 x 17 ml./0.57 fl.oz. Model Air

Set of Model Air colors developed for painting aircraft of the Fleet Air Arm (FAA) of the British fleet, for land-based aircraft as well as for aircraft, British or American, embarked on carriers from 1939 until the end of the War.

Estuche de colores Model Air desarrollado para pintar los aviones del "Fleet Air Arm" (FAA) de la Flota británica, tanto para aparatos basados en tierra como embarcados en los porta-aviones, desde 1939 hasta final de Guerra, de origen inglés o de procedencia USA.



BS 640	BS 634	BS 638	BS 639	FS 36463	BS 210	BS 642	FS 37875
AV71.110	AV71.309	AV71.405	AV71.406	AV71.407	AV71.302	AV71.057	AV71.279

Extra Dark Sea Grey (BS 640): Upper surface color combined with Dark Slate Grey (Temperate Sea Scheme) from 1937 until the end of the war, for all types of aircraft and missions. **Dark Slate Grey (BS 634):** Upper surface color combined with Dark Sea Grey (Temperate Sea Scheme) from the end of 1937 until the end of the war, for all types of aircraft and missions. **Dark Sea Grey (BS 638):** Upper surface color of the lower wing of biplanes, combined with Light Slate Grey (Shadow Scheme) until the end of 1940. For all kinds of aircraft and missions. **Light Slate Grey (BS 639):** Upper surface color of the lower biplane wings, combined with Dark Sea Grey (Shadow Scheme) until the end of 1940. For all kinds of aircraft and missions.

Sky Grey (FS 36463): Lower surface and sides, alone or combined with Night Black or Night Black/White, from 1937 until the beginning of 1941. Also used for numbers, codes and fuselage stripes. **Sky Type S (BS 210):** Color used on sides and lower surface of aircraft, from March 1941 until the end of the war, also for numbers, codes and fuselage stripes. **Night Black (BS 642):** Lower color combined with Sky Grey/White from October 1939 to February 1940, with Sky Grey from November 1940 to January 1941, or only by itself in different periods for special night missions. **White (FS 37875):** Color used for lower surface and lateral sections of the plane starting 1942 in antisubmarine missions or ASW.

Art. 71.196

Soviet Air Force VVS Pre-War to 1941 "Great Patriotic War"

8 x 17 ml./0.57 fl.oz. Model Air

Set with Model Air colors developed for painting the various color combinations of the camouflage color schemes of the Soviet aircraft, starting with the years prior to WWII (the thirties) until the URSS entered into the conflict "The Great Patriotic War" in June 1941.

Estuche de colores Model Air desarrollado para pintar los esquemas de camuflaje de aviones soviéticos y sus distintas combinaciones de colores, de los años previos a la Segunda Guerra Mundial (años 30's) hasta la entrada en el conflicto de la URSS en Junio de 1.941 o "Gran Guerra Patriótica".



Zashchitnyi	All Zashchitnyi	A-19F	Grey-Blue	All Sv. Gol	A-18F	All Aluminiovy	AEH-9
AV71.409	AV71.410	AV71.411	AV71.412	AV71.317	AV71.413	AV71.062	AV71.414

"Zashchitnyi" Khaki: Upper surfaces of airplanes with metallic finish or combined construction of wood and fabric. **All Zashchitnyi Camouflage Green:** Nitrocellulose lacquer for upper surfaces of aircraft with a combined structure of wood and fabric, and eventually metal. Specifications issued in 1937 and used between 1938-1941. **A-19f Grass Green:** Alkyd treated enamel for upper surfaces of aircraft with a metal structure or metal parts in a combined structure of wood and metal. Specifications issued June 1940. **Grey-Blue:** Lower surface color for airplanes with a metallic finish or a combined wood and fabric structure during the 1927-37 decade. **All Sv.gol. (Svetlo goluboi) Light Blue:** Nitro cellulose lacquer for the lower

surfaces of aircraft with structures of combined wood and fabric, and eventually metal. Widely used in 1940 -1942 and gradually replaced by AMT-7. **A-18f Light Blue:** Alkyd treated enamel for lower surfaces of airplanes with metallic structures or metallic parts in a mixed metal and wood structure. Specifications issued in June 1940. **All Aluminiovy:** Nitrocellulose lacquer for overall finish or for lower surface on some models in 1938, as well as fabric surfaces of mixed structure aircraft. Specifications issued in 1938-1940. **AEH-9 Light Grey:** Alkyd treated enamel for general surface of aircraft with metal structures and metallic parts in mixed structures. Beginning 1941 used for interior structures. Specifications issued in 1937-1940.

Air War Color Series

Art. 71.197

Soviet Air Force VVS 1941 to 1943 "Great Patriotic War"

8 x 17 ml./0.57 fl.oz. Model Air

Set with Model Air colors developed for painting various camouflage schemes of Soviet aircraft and their different color combinations, from the beginning of the "Great Patriotic War" in June 1941 until the year 1943, turning point on the Eastern Front.

Estuche de colores Model Air desarrollado para pintar los esquemas de camuflaje de aviones soviéticos y sus distintas combinaciones de colores, del comienzo de la "Gran Guerra Patriótica" en Junio de 1941 hasta el año 1943, punto de inflexión en el Frente del Este.



All Zashchitnyi AV71.410	AMT-4 AV71.301	A-24M AV71.303	AMT-6 AV71.251	All Sv. Gol AV71.317	AMT-7 AV71.318	A-28M AV71.319	MK-7 AV71.001
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All Zashchitnyi Camouflage Green: Nitrocellulose lacquer for upper surface of aircraft with combined wood/fabric and eventually metal structures. Specifications issued in 1937 and used between 1938 and 1941. **AMT-4 Camouflage Green:** Nitrocellulose lacquer for upper surface color scheme "Black/Green" for aircraft of combined wood/metal structures and metallic finish. **A-24m Camouflage Green:** Oil-based enamel equivalent of the color AMT-4, upper surface color scheme "Grey/Brown/Green" and "Black/Brown Green" for airplanes with metal structures. **AMT-6 Matt Black:** Nitrocellulose lacquer for upper color scheme "Black/Green" used on aircraft of mixed structure and metal finish. **All Sv.gol. (Svetlo goluboi) Light**

Blue: Nitrocellulose lacquer for lower surface of aircraft with combined fabric/wood and eventually metal structure. Used widely in 1940-1942 and gradually replaced by AMT-7. **AMT-7 Greyish Blue:** Nitrocellulose lacquer for lower surfaces of aircraft with combined fabric/wood and metal structures. Introduced starting 1943 as a substitute for All Sv.gol. **A-28m Greyish Blue:** Oil-based enamel equivalent to color AMT-7, for inferior part of aircraft with metallic structure. With time this color acquired a yellow tint. **MK-7 Matt White:** Removable, water-soluble paint, for temporary or seasonal deployment, used for Winter camouflage during the entire war (1941-1945).

Art. 71.198

Soviet Air Force VVS 1943 to 1945 "Great Patriotic War"

8 x 17 ml./0.57 fl.oz. Model Air

Set with Model Air colors developed for painting the various camouflage schemes of the Soviet aircraft and their different color combinations, from 1943 to the end of the "Great Patriotic War" in May 1945 with the Fall of Berlin and the end of the Third Reich.

Estuche de colores Model Air desarrollado para pintar los esquemas de camuflaje de aviones soviéticos y sus distintas combinaciones de colores, de 1943 hasta el final la "Gran Guerra Patriótica" en Mayo de 1.945 con la caída de Berlín y el final del Tercer Reich.



AMT-1 AV71.320	A-21m AV71.415	AMT-4 AV71.301	A-24m AV71.303	AMT-6 AV71.251	AMT-7 AV71.318	AMT-11 AV71.304	AMT-12 AV71.308
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AMT-1 Light Greyish Brown: Nitrocellulose lacquer for upper part color scheme "Grey-Brown-Green" for airplanes of mixed fabric/wood and metal structure. Used starting 1943. **A-21m Light Greyish Brown:** Oil-based enamel, equivalent to the color AMT-1 but more yellow, used in upper color scheme "Grey/Brown/Green" and "Black/Brown/Green" for aircraft of metallic structure. **AMT-4 Camouflage Green:** Nitrocellulose lacquer, upper color scheme "Black/Green" for airplanes of mixed structure and metallic finish. **A-24m Camouflage Green:** Oil-based enamel, equivalent to the color AMT-4, superior color scheme "Grey/Brown/Green" and "Black/Brown/Green" for aircraft of metal structure. **AMT-6 Matt Black:**

Nitrocellulose lacquer, upper color scheme "Black/Green" and "Black/Brown/Green" for aircraft of mixed structure and metallic finish, as well as for lower part of aircraft for night deployment. **AMT-7 Greyish Blue:** Nitrocellulose lacquer for lower surfaces of aircraft of metal and mixed structure. Introduced starting 1943 as a substitute for All Sv.gol. **AMT-11 Blue Grey:** Nitrocellulose lacquer for upper surface scheme "Grey/Grey" for aircraft of mixed structure, principally fighters. Used starting 1943. **AMT-12 Dark Grey:** Nitrocellulose lacquer for upper scheme "Grey/Grey" (fighters) and "Grey/Brown/Green" for aircraft of mixed structure. Used starting 1943.

Air War Color Series

Art. 71.152

Imperial Japanese Army (IJA) Colors Pre-War to 1945

8 x 17 ml./0.57 fl.oz. Model Air

Set with Model Air colors developed to paint the aircraft of the aviation division of the Japanese Imperial Army (IJA) deployed in the war with China during the years previous to the attack on Pearl Harbor (December 1941) and the subsequent entry into the WWII conflict until August 1945.

Estuche de colores Model Air desarrollado para pintar los aviones de la división de aviación del Ejército Imperial Japonés (IJA), utilizados en la guerra con China durante los años previos al ataque a Pearl Harbor (Diciembre de 1941) y su posterior entrada en el conflicto mundial hasta Agosto de 1945.



IJA Dark Green
AV71.285



IJA Olive Green
AV71.286



IJA Khaki Brown
AV71.287



IJA Dark Beige
AV71.416



IJA Grey
AV71.326



IJA Light Grey Green
AV71.321



AOTAKE Trans. Green
AV71.417



Aluminum
AV71.062

IJA Dark Green (FS 34082): Upper surface color applied in one coat only and/or mottled on natural metal or Grey Green/Light Grey Green lower surface. Also combined with Dark Beige in multiple combinations. **IJA Olive Green (FS 33070):** Upper surface color very similar to its equivalent "Olive Drab" of the USAAF. Used beginning 1943 on fighters of the IJA. On natural metal or Grey Green/Light Grey Green lower surface. **IJA Khaki Brown (FS 30118):** Upper surface color and occasionally on all surfaces of single-engine aircraft and bi-engine fighters in the years 1944/45. Combined with Grey Green on lower surfaces. **IJA Dark Beige (FS 30215):** Upper surface color combined with Dark Green or occasionally as single color coating. Lower surface

in metal or Grey Green/Light Grey Green. **IJA Grey Green (FS 36405):** Lower surface color used beginning 1943. Combined with any of the green or khaki colors on the upper surface. Fabric control surfaces on aircraft with metal finish. **IJA Light Grey Green (FS 34424):** Color for lower or all surfaces. Combined with any of the green or khaki colors on the upper surface. Fabric control surfaces on aircraft with metal finish. **Aluminum (FS 37178):** In aircraft of the IJA the absence of camouflage, either partial or total, is customary. **"Aotake" Translucent Green:** Translucent lacquer, a protector applied on the interior parts of metallic structures (fuselage, cockpit, etc.).

Art. 71.169

Imperial Japanese Navy (IJN) Colors Pre-War to 1945

8 x 17 ml./0.57 fl.oz. Model Air

Set of Model Air colors developed to paint the aircraft of the aviation division of the Japanese Imperial Navy (IJN) for aircraft embarked on carriers as well as land based, used in the war with China during the years previous to the attack on Pearl Harbor (December 1941) and the subsequent entry into the WWII conflict until August 1945.

Estuche de colores Model Air desarrollado para pintar los aviones de la división de aviación de la Marina Imperial Japonés (IJN) tanto embarcados en portaaviones como en tierra, utilizados en la guerra con China durante los años previos al ataque a Pearl Harbor (Diciembre de 1941) y su posterior entrada en el conflicto mundial hasta Agosto de 1945.



IJN Dark Black Green
AV71.325



IJN Black Green
AV71.322



IJN Deep Dark Green
AV71.310



IJN Ash Grey
AV71.311



IJN Medium Grey
AV71.312



IJN Medium Brown
AV71.418



AOTAKE Trans. Blue
AV71.419



Aluminum
AV71.062

IJN Dark Black Green (FS 34052): Upper surface color applied in one coat only on Ash Grey/Medium Grey on lower surface or natural metal. Used on Mitsubishi and other makes of aircraft. **IJN Black Green (FS 34077):** Upper surface color applied in one coat only on Ash Grey/Medium Grey on lower surface or natural metal. Common on "Zeros" produced by Nakajima and all kinds of aircraft of other manufacturers. **IJN Deep Dark Green (FS 34058):** Upper surface color applied in one coat only on Medium Grey on lower surface or natural metal. Planes manufactured by Kawanishi, Aichi, etc. **IJN Medium Brown (FS 30122):** Upper surface color combined with Dark Black Green/Black Green on Ash Grey/Medium

Grey on lower surface, on bombers and hidro-planes in Chinese and Pacific theaters of operations until the middle of the war. **IJN Ash Grey (FS 36350):** Color used until 1942/43 for most embarked aircraft on all surfaces or combined with Dark Black Green/Black Green for the upper part. **IJN Medium Grey (FS 36375):** Color for lower part or all surfaces, combined with any of the green shades of the upper part. Fabric control surfaces. **Aluminum (FS 37178):** On IJN aircraft, the partial or total absence of camouflage in prewar years and at the end of the war is habitual. **"Aotake" Translucent Blue:** Translucent lacquer, a protector applied on the interior parts of metallic structures (fuselage, cockpit, etc.).

Air War Color Series

Art. 71.203

Israeli Air Force (IAF) Colors Post 1967 to Present

8 x 17 ml./0.57 fl.oz. Model Air

Set with Model Air Colors developed for painting the aircraft of the Israeli Air Force (IAF) in a color-scheme known as "Desert Colors", deployed after the "Six Day War" until the actual grey color schemes of "Areal Superiority".

Estuche de colores Model Air desarrollado para pintar aviones de la Israeli Air Force (IAF) empleados con posterioridad a la "Guerra de los Seis Días", esquema conocido como "Desert Colors", hasta los actuales esquemas grises de "Superioridad Aérea".



FS30219 AV71.125	FS33531 AV71.327	FS34227 AV71.126	FS34424 AV71.321	FS35622 AV71.328	FS36231 AV71.277	FS36320 AV71.120	FS36375 AV70.615
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Brown (FS 30219): Upper surface color scheme "Desert Colors", combined with Sand (FS 33531) and Green (FS 34227) or Sky Green (FS 34424), starting in the eighties. **Sand (FS 33531):** Upper surface color scheme "Desert Colors", combined with Brown (FS 30219) and Green (FS 34227) or Sky Green (FS 34424) starting in the eighties. **Green (FS 34227):** Upper surface color scheme "Desert Colors" combined with Brown (FS 30219) and Sand (FS 33531). **Sky Green (FS 34424):** Upper surface color scheme "Desert Colors" combined with Brown (FS 30219) and Sand (FS 33531), substituting Green (FS 34227) starting in the eighties. **Light Blue (FS 35622):** Lower

surface color scheme "Desert Colors" after 1967 and beginning of the eighties. **Dark Gull Gray (FS 36231):** Color for interior of the cockpit, present in most of the fighters from the USA (A-4, F-4, F-15, F-16, etc.). **Dark Ghost Gray (FS 36320):** Upper surface color scheme "Compass Ghost Gray" used by the USAF combined with Light Ghost Gray (FS 36375) in fighters of air superiority (F-15, Kfir, etc.). **Light Ghost Gray (FS 36375):** Color scheme for lower surface "Desert Colors" starting in the eighties, as well as color scheme "Compass Ghost Gray" combined with Dark Ghost Gray (FS 36320) in fighters of air superiority (F-15, Kfir, etc.).

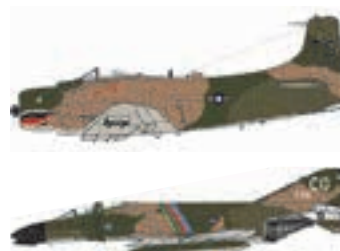
Art. 71.204

USAF Colors "Vietnam War" Scheme SEA (South East Asia)

8 x 17 ml./0.57 fl.oz. Model Air

Set with Model Air Colors developed for painting the aircraft of the USAF deployed in Southeast Asia during the Vietnam War. The camouflage schemes employed for this theater of operations are known as SEA (South East Asia) and a variant of this was used by the SAC (Strategic Air Command) bombers.

Estuche de colores Model Air desarrollado para pintar aviones de la USAF empleados en el Sudeste Asiático durante la "Guerra de Vietnam". Esquemas de camuflaje elaborados para este teatro de operaciones conocido como "SEA" (South East Asia) y una variante de este, empleado por los bombarderos del SAC (Strategic Air Command).



FS30219 AV71.125	FS34079 AV71.294	FS34102 AV71.289	FS34159 AV71.329	FS34201 AV71.023	FS36622 AV71.296	FS37038 AV71.057	FS37875 AV71.279
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Sierra Tan ANA 628 (FS 30219): Camouflage color scheme SEA, combined with Dark Green (FS 34079) and Medium Green (FS 34102) on upper surfaces of aircraft. **Dark Green ANA 631 (FS 34079):** Camouflage color scheme SEA, combined with Sierra Tan (FS 30219) and Medium Green (FS 34102) on upper surfaces. The same variant color scheme was also employed for the bombers of the SAC, combined with FS 34159 and FS 34201. **Medium Green (FS 34102):** Camouflage color scheme SEA, combined with Sierra Tan (FS 30219) and Dark Green (FS 34079) on upper surfaces of aircraft. **Green (FS 34159):** Variant of camouflage color scheme SEA, employed for SAC bombers combined with Dark

Green (FS 34079) and Tan Green (FS 34201) on upper surfaces of aircraft. **Tan Green (FS 34201):** Variant of camouflage color scheme SEA, employed for SAC bombers, combined with Green (FS 34159) and Dark Green (FS 34079) on upper surfaces of aircraft. **Camouflage Gray (FS 36622):** Lower color for camo. scheme SEA, for all types of aircraft and daily operations. **Flat Black ANA 604 (FS 37038):** Lower color camouflage scheme SEA and its variants, for SAC bombers and all kinds of aircraft and night operations. **Insignia White ANA 601 (FS 37875):** Lower color, variant of camouflage scheme SEA for SAC bombers, daytime operations.



Panzer Aces

A color system designed for reproducing the colors of the uniforms of tank crews and vehicles in WWII

Sistema de colores para pintar los uniformes de los carristas y vehículos en la WWII

EN In order to simplify the method of painting the military vehicles and the uniforms of the crew in the World War II, the specialists on the staff of Panzer Aces magazine have created a series of colors which coincide with the standard shades used. All uniforms consist of a base and a lighter color for highlighting and grading. Three colors have been selected for the flesh tones, as well as a series of colors to reproduce the design of Splinter Camouflage, printed on many of the garments and canvas equipment of the German Army. The Panzer Aces series is presented in a series of sets, each dedicated to a particular selection of colors, such as those used for the wear and tear of tanks, tires and canvas; lights, belts and periscopes, and for the uniforms of the tank crews of various nations, skin tones and camouflage patterns. The colors are also available individually in a table top display.

Packaging:

Bottles of 17 ml./0.57 fl.oz. bottle with eyedropper. This packaging prevents the paint from evaporating and drying in the container.

ES Con el fin de simplificar el método de pintura de los vehículos militares y uniformes de los tripulantes en la Segunda Guerra Mundial, los especialistas de la revista Panzer Aces han creado una serie de colores que coinciden con los tonos utilizados. Todos los uniformes constan de un color base y otro más claro con el que aplicar las luces y las gradaciones. Asimismo, se han creado tres tonos para trabajar las carnes, así como distintos colores con los que se pueden reproducir los esquemas de camuflaje Splinter que se estamparon en muchas de las prendas y lonas que utilizó el ejército alemán.

La serie de Panzer Aces se presenta en una serie de estuches, cada uno dedicado a una selección de colores especiales, como los utilizados para el desgaste de los tanques, ruedas, lonas, luces, cintas y periscopios y para los uniformes de los carristas de varias naciones, tonos de piel y camuflaje. Los colores también se pueden obtener individualmente en un expositor de sobremesa.

Presentación:

Botellas de 17 ml./0.57 fl.oz. con cuentagotas. Esta presentación evita la evaporación de la pintura y el secado dentro del frasco.



Panzer Aces colors

70.301 Oxido Claro Light Rust	70.302 Oxido Oscuro Dark Rust	70.303 Oxido Amarillento Yellowish Rust	70.304 Imprimación Oruga Track Primer	70.305 Caucho Claro Light Rubber	70.306 Caucho Oscuro Dark Rubber	70.307 Piloto Rojo Alemán Red German Tail Light
70.308 Piloto Verde Alemán Green German Tail Light	70.309 Periscopios Periscopes	70.310 Madera Vieja Old Wood	70.311 Madera Nueva New Wood	70.312 Correa de Cuero Leather Belt	70.313 Stencil Stencil	70.314 Lona Canvas
70.315 Lodo Claro Light Mud	70.316 Lodo Oscuro Dark Mud	70.317 Carrista Británico British Tank Crew	70.318 Carrista US Army US Army Tank Crew	70.319 Carrista USMC USMC Tank Crew	70.320 Carrista Francés French Tank Crew	70.321 Luces Carrista Británico Highlight British Tank Crew
70.322 Luces Carrista US Army Highlight US Tank Crew	70.323 Luces Carrista USMC Highlight USMC Tank Crew	70.324 Luces Carrista Francés Highlight French Tank Crew	70.325 Carrista Ruso I Russian Tank Crew I	70.326 Carrista Ruso II Russian T. Crew II	70.327 Carrista Italiano Italian Tank Crew	70.328 Carrista Japonés Japan Tank Crew
70.329 Luces Carrista Ruso I Highl. Russian Tank Crew I	70.330 Luces Carrista Ruso II Highl. Russian Tank Crew II	70.331 Luces Carrista Italiano Highlight Italian Tank Crew	70.332 Luces Carrista Japonés Highlight Japan Tank Crew	70.333 Carrista Alemán German Tank Crew	70.334 Carrista Alemán I German Tank Crew I	70.335 Carrista Alemán II German Tank Crew II
70.336 Carrista Afrikakorps Afrikakorps Tank Crew	70.337 Luces Carrista Alemán Highl. German Tank Crew	70.338 Luces Carrista Alemán I Highl. German Tank Crew I	70.339 Luces Carrista Alemán II Highlight German II	70.340 Luces Carrista Afrikakorps Highl. Afrikakorps T. Crew	70.341 Base Carne Flesh Base	70.342 Luces Carne Flesh Highlight
70.343 Sombras Carne Flesh Shadows	70.344 Blanco (Carrista Alemán) White (German Tank Crew)	70.345 Base Camuflaje Splinter Splinter Camouflage Base	70.346 Manchas Splinter I Splinter Blotches I	70.347 Manchas Splinter II Splinter Blotches II	70.348 Rayas Splinter Splinter Strips	



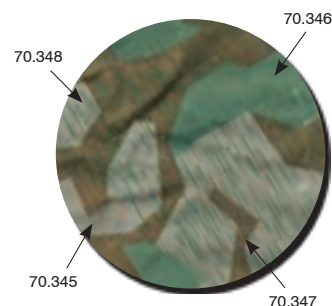
Panzer Aces Sets (8 colors)



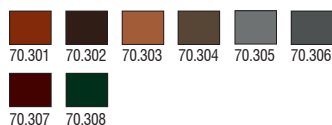
Each set contains a selection of 8 special colors in 17 ml./0.57 fl.oz., used for the weathering of tanks, tires, tarps, lights, ribbons, periscopes, and uniforms for the crew, skin tones and camouflage patterns.

Cada estuche contiene una selección de 8 colores especiales de 17 ml./0.57 fl.oz. utilizados para el desgaste de los tanques, ruedas, lonas, luces, etc... y para los uniformes de los carristas, tonos de piel y camuflaje.

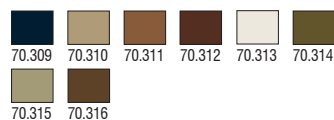
Splinter Pattern



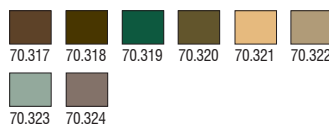
Art. 70.122 Rust, Tracks, Rubber... Óxido, Orugas, Caucho...



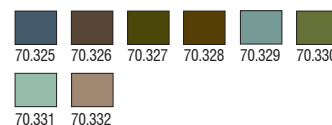
Art. 70.123 Wood, Leather, Stencil... Madera, Cuero,...



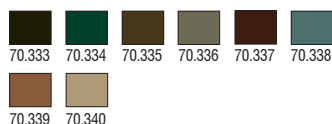
Art. 70.126 Allied Crew Uniforms Uniformes Tripulantes



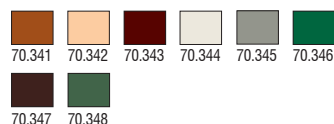
Art. 70.127 Crew Uniforms Uniformes Tripulantes



Art. 70.128 German Crew Uniforms Uniformes Tripulantes



Art. 70.129 Skin Tones, Camouflage... Piel, Camuflaje...



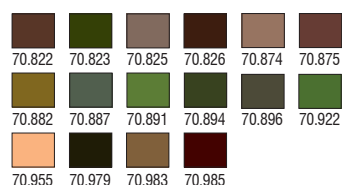
Panzer Aces Camouflage Set (16 colors)

Art. 70.179 Camouflage Set

16 x 17 ml./0.57 fl.oz. Model Color "Panzer Series"

Special set with a selection of Model Color references which complement the Panzer Aces series for Dot Pea Pattern, Italian Pattern, Plane Tree Pattern y Oak Leaf Pattern. The set includes one brush.

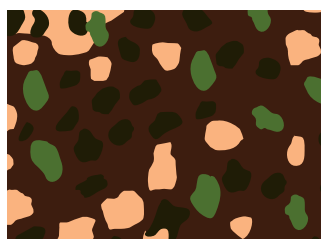
Estuche especial con una selección de colores de Model Color que complementa la serie de Panzer Aces, para realizar camuflajes Dot Pea Pattern, Italian Pattern, Plane Tree Pattern y Oak Leaf Pattern. Incluye un pincel.



Plane Tree



Italian



Dot Pea



Oak Leaf (Spring)



Metal Color

Metal Color is a range of waterbased metallic colors, especially designed for airbrush techniques

Metal Color es una gama de colores metálicos de base agua, especialmente diseñados para aerografía



EN Metal Color is a range of waterbased metallic colors, especially designed for airbrushing. In the development of these new and innovative metallic colors, the latest generation of aluminum pigments has been used in a specifically designed formula which results in a series of colors of exceptional resistance and adherence to plastics and metal.

Metal Color can be applied directly on models without the need for the use of a primer, although in the case of fuselages and components for airplane models it is recommended to first apply a glossy Black Primer to bring forth the unique and special quality of the aluminum finish.

Packaging:

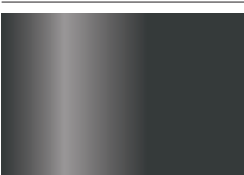
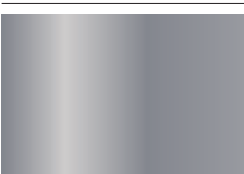
The range of Metal Color consists of 19 references, available in 32 ml./1.08 fl.oz. bottles with a flip top/eyedropper closure. Gloss Black Primer available in bottles of 60 and 200 ml. (2.02 and 6.76 fl.oz.) with a flip top/eyedropper closure. Gloss Metal Varnish available only in bottles of 60 ml./2.02 fl.oz. with a flip top/eyedropper closure.

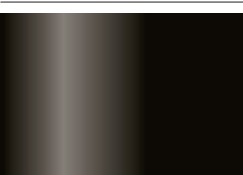
ES Metal Color es una gama de colores metálicos de base agua, especialmente diseñados para aerografía. En la elaboración de esta innovadora gama se emplean pigmentos de aluminio de última generación en una formulación específica que confiere a los colores una excepcional resistencia y adherencia sobre plástico y metal. Metal Color se puede aplicar directamente sobre la maqueta sin necesidad de una imprimación previa, aunque es aconsejable, en el caso de fuselajes y componentes de modelos de avión, aplicar Imprimación Negro Brillante para realzar las características especiales de los tonos de aluminio.

Presentación:

La gama de Metal Color está compuesta por 19 referencias, disponibles en frascos de 32 ml./1.08 fl.oz. con tapón bisagra y cuentagotas. Imprimación Negro Brillante disponible en botellas de 60 y 200 ml. (2.02 y 6.76 fl.oz.) con tapón bisagra y cuentagotas. Barniz Metal Brillante disponible en botellas de 60 ml./2.02 fl.oz. con tapón bisagra y cuentagotas.

Metal Color

	77.701 Aluminio / Aluminum Estructuras internas / recubrimiento exterior / motores y componentes mecánicos / laca exterior o "Dope". Interior structures / exterior coatings / engines and mechanical parts / exterior varnish or "Dope".
	77.702 Duraluminio / Duraluminum Estructuras internas / recubrimiento exterior / componentes mecánicos / motores. Interior structures / exterior coatings / mechanical parts / engines.
	77.703 Aluminio Oscuro / Dark Aluminum Estructuras internas / recubrimiento exterior / componentes mecánicos / motores. Interior structures / exterior coatings / mechanical parts / engines.
	77.704 Metal Quemado / Pale Burnt Metal Recubrimiento exterior / paneles zona tensión térmica (motor/toberas) / componentes mecánicos / motores. Exterior coatings / panels near high-heat (engines/jet exhausts) / mechanical parts / engines.
	77.706 Aluminio Blanco / White Aluminum Estructuras internas / recubrimiento exterior / laca exterior o "Dope" / desgaste debido a factores climatológicos. Interior structures / exterior coatings / exterior varnish or "Dope" / wear due to climatic factors.
	77.707 Cromo / Chrome Recubrimiento exterior / martinetes hidráulicos / motores y componentes mecánicos / carenado motor radial. Exterior coatings / hydraulic hammers / engines and mechanical parts / radial engine cowlings.
	77.710 Cobre / Copper Anillo colector escape (motores radiales) / componentes mecánicos / instrumentación vuelo y equipos precisión / vainas munición. Exhaust collector ring (radial engines) / mechanical components / flight instruments and precision equipment / ammunition pods.
	77.711 Magnesio / Magnesium Paneles zona tensión térmica (motor/toberas) / componentes mecánicos / armamento / motores. Panels areas high-heat (engines/jet exhausts) / mechanical components / armour / engines.
	77.712 Acero / Steel Estructuras internas / recubrimiento exterior / motores y componentes mecánicos / armamento. Internal structures / exterior coatings / engines and mechanical components / armour.
	77.713 Tobera reactor / Jet Exhaust Tobera jet / paneles zona tensión térmica (motor/toberas) / componentes mecánicos. Jet exhaust / panels areas high-heat (engines/jet exhausts) / mechanical components.

	77.716 Aluminio Satinado / Semi Matt Aluminum Superficies control direccional / estructuras internas y recubrimiento exterior / componentes mecánicos / laca exterior o "Dope". Flight control surfaces / internal structures and external coatings / mechanical components / exterior varnish or "Dope".
	77.717 Aluminio Mate / Dull Aluminum Estructuras internas / laca exterior o "Dope" / desgaste debido a factores climatológicos / superficies control direccional. Internal structures / exterior varnish or "Dope" / wear due to climatic factors / flight-control surfaces.
	77.720 Gris Metalizado / Gunmetal grey Armamento / paneles zona tensión térmica (motor/toberas) / componentes mecánicos / motores. Armour / panels areas high-heat (engines/jet exhausts) / mechanical components / engines.
	77.721 Hierro Quemado / Burnt Iron Paneles zona tensión térmica (motor/toberas) / componentes mecánicos / zonas dañadas por fuego y altas temperaturas. Panels in high-heat areas (engines/jet exhausts) / mechanical components / areas damaged by heat and fire.
	77.723 Colector Escape / Exhaust Manifold Colector escape motores explosión (radial/lineal) / paneles / zona tensión térmica (motor/toberas). Jet engine exhaust (radial/lineal) / panels in high-heat areas (engines/jet exhausts).
	77.724 Plata / Silver Recubrimiento exterior / componentes mecánicos / motores / piezas y estructuras aeronáuticas de todo tipo. Exterior coating / mechanical components / engines / parts and aeronautical structures of all kinds.
	77.725 Oro / Gold Aleación paneles exteriores / motores y componentes mecánicos / instrumentación vuelo y equipos de precisión / vainas munición. Exterior panels / engines and mechanical components / flight instruments and precision equipment / ammunition pods.
	77.657 Barniz Metal Brillante / Gloss Metal Varnish Barniz protector para pigmentos metalizados, protege la pintura de procesos de desgastes (lavados, etc.). Protective varnish for metallic pigment. Protects colors against wear and aging processes (washes, etc.).
	77.660 Imprimación Negro Brillante / Gloss Black Primer Imprimación base, mejora el agarre de Metal Color y aplicado diluido aumenta la intensidad tonal del color. Black base primer, improves adherence of Metal Color, applied diluted increases the intensity of the color.

See example with step-by-step instructions, page 104.
 Véase ejemplo con instrucciones paso a paso, página 104.



Mecha Color

Mecha Color, extra resistant colors, designed especially for painting robots, Gundam, Transformer and Gunplas figures

Mecha Color, colores extra resistentes formulados para pintar todo tipo de robots, Gundam, Transformers y Gunplas

EN Mecha Color is a range of acrylic airbrush colors, has been designed especially for painting robots, Gundam, Transformer and Gunplas figures. The innovative formulation of the colors, although waterbased, guarantees a maximum resistance to manipulation, impacts, friction, scratches and overall extreme wear. Once dry, the color appears the same as the injected plastic color, respecting all the details of the kit.

The colors of the range have been carefully selected to provide the modeler with the shades most frequently used for painting all kinds of Mecha figures. The range includes a series of metallic and fluorescent colors, weathering effects and auxiliary products such as primers, thinners, chipping Medium and varnishes

Packaging:

The range Mecha Color is available in 17 ml./0.57 fl.oz. bottles (with eyedropper). Mecha Primer and Mecha Varnish are also available in 60 ml./2.02 fl.oz. and 200 ml./6.76 fl.oz. bottles (with flip top and eyedropper).

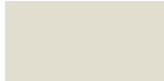
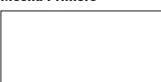
ES Mecha Color es una gama de colores acrílicos satinados para aerografía, formulados para pintar todo tipo de robots, Gundam, Transformers, Gunplas, etc. Su innovadora formulación, con base agua, garantiza al modelista una máxima resistencia a manipulados, impactos, roces, arañazos, etc. Una vez seco su aspecto recuerda al del mismo plástico inyectado respetando el detalle más diminuto presente en el modelo.

Los colores han sido cuidadosamente seleccionados para proporcionar al modelista los tonos más empleados en los procesos de pintura de todo tipo de Mecha's. La gama se complementa con una selección de colores metalizados, colores fluorescentes, efectos de envejecido y productos auxiliares como imprimaciones, diluyentes, barnices y Chipping Medium

Presentación:

La gama Mecha Color está disponible en botellas de 17 ml./0.57 fl.oz. (con cuentagotas). Mecha Primer y Mecha Varnish también están disponibles en botellas de 60 ml./2.02 fl.oz. y 200 ml./6.76 fl.oz. (con tapón bisagra y cuentagotas).

Mecha Color

							
69.001 Pure White	69.002 White Grey	69.003 Offwhite	69.004 Yellow	69.005 Light Flesh	69.006 Pink	69.007 Orange	69.008 Red
							
69.009 SZ Red	69.010 Magenta	69.011 Dark Red	69.012 Purple	69.013 Titan Blue	69.014 Grey Green	69.015 Blue Grey	69.016 Light Blue
							
69.017 Sky Blue	69.018 Deep Blue	69.019 Blue	69.020 Electric Blue	69.021 Dark Blue	69.022 Titan Dark Blue	69.023 Turquoise	69.024 Stone Grey
							
69.025 Light Green	69.026 Green	69.027 Green Blue	69.028 Olive Green	69.029 Deep Green	69.030 Dark Green	69.031 Grey Sand	69.032 Yellow Ochre
							
69.033 Sand Yellow	69.034 Brown	69.035 Chipping Brown	69.036 Light Grey	69.037 Grey	69.038 Medium Grey	69.039 Grey Z	69.040 Phantom Grey
							
69.041 Dark Grey Green	69.042 Pure Black						
Mecha Fluo							
							
69.054 Yellow Fluorescent	69.055 Orange Fluorescent	69.056 Magenta Fluorescent	69.057 Green Fluorescent				
Mecha Metals							
							
69.058 Gunmetal	69.059 Gold	69.060 Old Gold	69.061 Copper	69.062 Bronze	69.063 Steel	69.064 Light Steel	69.065 Dark Steel
							
69.066 Metallic Red	69.067 Metallic Blue	69.068 Metallic Green					
Mecha Primers							
							
70.640 White	70.641 Grey	70.642 Black	70.643 Ivory	70.644 Sand			
Mecha Weathering							
							
69.507 Dark Rust Wash	69.505 Light Rust Wash	69.518 Black Wash	69.522 Desert Dust Wash	69.521 Oiled Earth Wash	69.515 Light Grey Wash	69.821 Rust Texture (Matt)	69.813 Oil Stains (Gloss)
							
69.817 Petrol Spills (Gloss)	69.814 Fuel Stains (Gloss)	69.818 Brown Eng. Soot (Matt)					
Mecha Auxiliaries							
							
69.701 Mecha Gloss Varnish	69.702 Mecha Matt Varnish	69.703 Mecha Satin Varnish	71.261 Airbrush Thinner	71.262 Flow Improver	73.212 Decal Softener	73.214 Chipping Medium	

Game Color

Acrylic colors especially formulated for miniature figures in fantasy and wargames

Colores acrílicos formulados especialmente para figuras de fantasía o wargames

EN This compact range has been especially developed to contain all the frequently used colors in fantasy figures, in a formula particularly designed for adherence on plastics and metals, using a new resin of unequalled durability and resistance to scrapes and abrasion. Colors brush on easily and smoothly, and dry to an opaque, matt finish. Their finely ground texture makes them perfect for the most miniature details as well as for large surfaces. They are highly pigmented, light fast and waterproof once dry. Errors can be corrected immediately with water or a small amount of alcohol.

Extra Opaques

16 highly pigmented acrylic colors formulated to provide an especially matt and opaque coating which covers all primers and base colors in one application.

Washes & Inks

The Washes and Inks, developed with a new resin, are used for shadows and for the application of colors in layers. When applied over a basecoat, they enter into the folds and grooves of the figure, instantly bring forth the features and add shade to recessed areas. They can also be used for weathering. Inks and Washes can be mixed with the colors and mediums.

Packaging:

Game Color is presented in bottles of 17 ml. / 0.57 fl.oz. bottles with eyedropper. This packaging prevents the paint from evaporating and drying in the container.

ES Gama diseñada especialmente para ofrecer todos los colores utilizados frecuentemente en figuras de fantasía, con una fórmula desarrollada particularmente para su adherencia sobre plásticos y metales, utilizando una resina nueva de una durabilidad y resistencia extraordinaria contra rasguños y roces.

Los colores se aplican fácilmente y secan lisos y mates. El molido extra fino de los pigmentos resulta en colores que son igualmente perfectos para los detalles más pequeños como para superficies grandes. Los colores tienen un alto contenido de pigmento y son resistentes a la luz y completamente impermeables una vez secos. Los errores se pueden corregir inmediatamente con agua o una pequeña cantidad de alcohol.

Extra Opacos

16 colores acrílicos de muy alta pigmentación formulado para conseguir una capa especialmente opaca y mate que cubre todas las imprimaciones y bases en una aplicación.

Lavados y tintas

Los lavados y tintas han sido formulados con una resina nueva. Se utilizan para sombras y para la aplicación de colores en capa. Aplicándolas sobre una imprimación, entran en los pliegues y surcos de la figura, resaltando instantáneamente su aspecto. También se pueden utilizar para técnicas de envejecido de las figuras. Se pueden mezclar con los colores Game Color y con los Mediums.

Presentación:

Game Color se presenta en botellas de 17 ml./0.57 fl.oz. con cuentagotas. Esta presentación evita la evaporación de la pintura y el secado dentro de la botella.



Game Color

TINTAS GAME COLOR / GAME COLOR INKS									
COLORES EXTRA OPACOS / EXTRA OPAQUE COLORS									
LAVADOS / WASHES									
MÉDIUMS Y BARNICES / MEDIUMS AND VARNISHES									

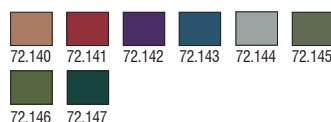
Game Color Sets (8 Colors)

Selection of sets with Game Colors for painting models and miniatures. Each one of these sets has a specific range of colors for painting figures, etc. Contains 8 bottles in 17 ml./0.57 fl.oz. and color chart.

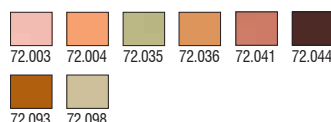
Serie de estuches de colores Game Color para pintar maquetas y miniaturas. Cada uno de los estuches tiene una selección de colores específicos para figuras. Contienen 8 botellas de 17 ml./0.57 fl.oz. y una carta de colores.



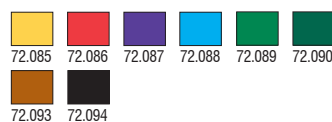
Art. 72.294 Extra Opaque Colors



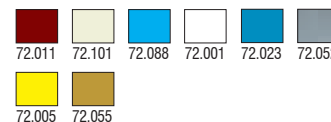
Art. 72.295 Skin Tones Tonos Piel



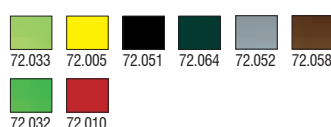
Art. 72.296 Game Inks Tintas



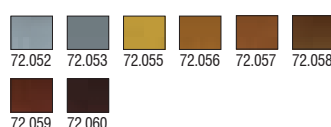
Art. 72.300 Elves Elfos



Art. 72.301 Orc & Goblin Colors



Art. 72.303 Metallic Colors Colores Metálicos



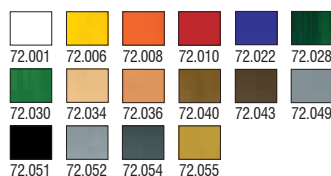
Game Color Sets (16 Colors)

Collection of sets with colors of Game Color for painting models and miniatures. Each one of these sets has a specific selection of colors for painting figures, etc. Contains 16 bottles in 17 ml./0.57 fl.oz. and color chart.

Colección de estuches de colores Game Color para pintar maquetas y miniaturas. Cada uno de los estuches tiene una selección de colores específicos para figuras. Contienen 16 botellas de 17 ml./0.57 fl.oz. y una carta de colores.



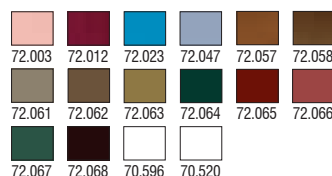
Art. 72.299 Introduction Introducción



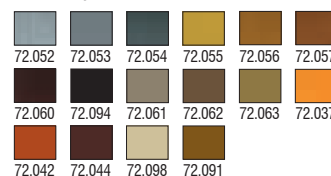
Art. 72.298 Advanced Avanzado



Art. 72.297 Specialist Especialista



Art. 72.291 Leather & Metal Cuero y Metal



Art. 72.290 Extra Opaque Colors



Special Game Color Sets

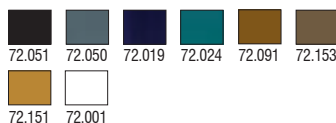
Art. 72.212

Non Metallic Metal

8 x 17 ml./0.57 fl.oz. Game Color

Game Color set with photographs and painting guide by Ángel Giráldez for achieving the look of metal (gold & silver) without using metallic colors.

Estuche de colores acrílicos Game Color con paso a paso con fotografías de Ángel Giráldez que guiará al modelista en la recreación de efectos de metal (oro y plata) sin utilizar colores metálicos.



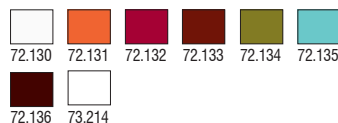
Art. 72.213

Special Effects

8 x 17 ml./0.57 fl.oz. Game Color

Game Color set with photographs and painting guide by Ángel Giráldez for achieving the look of blood, scabs, vomit, rust and verdigris.

Estuche de colores acrílicos Game Color con paso a paso de Ángel Giráldez que guiará al modelista en la recreación de efectos de sangre, costras, vómitos, óxidos y verdín.



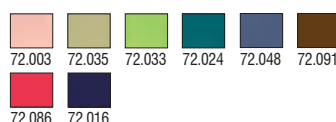
Art. 72.302

Non Death Chaos

8 x 17 ml./0.57 fl.oz. Game Color

Non Death Chaos set including detailed step by step painting instructions with photographs by Ángel Giráldez for painting the miniature figures of the ghosts, zombies, monsters, vampires, demons and other malignant creatures of the night.

El estuche Non Death Chaos contiene instrucciones paso a paso, detalladas y con fotografías realizadas por Ángel Giráldez para pintar vampiros, fantasmas, zombies, monstruos, demonios y criaturas malignas de la noche.



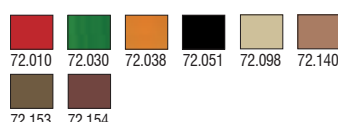
Art. 72.211

Ironfist Dwarf Berserker

8 x 17 ml./0.57 fl.oz. Game Color

The set contains an exclusive metal figure sculptured by Félix Paniagua of Avatar Miniatures, a Toray brush, plastic palette and painting guide by Ángel Giráldez for painting Ironfist Dwarf Berserker.

El estuche contiene una exclusiva figura de metal esculpida por Félix Paniagua de Avatar Miniaturas, un pincel de Toray, paleta para mezclas y paso a paso de Ángel Giráldez para pintar Ironfist Dwarf Berserker.



Special Game Color Sets

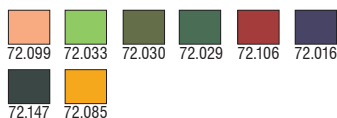
Art. 72.304

Orcs & Goblins

8 x 17 ml./0.57 fl.oz. Game Color

The set contains photographs and painting guide by Angel Giráldez for painting Orc and Goblin skins.

El estuche contiene paso a paso de Ángel Giráldez para pintar pieles de Orcos y Goblins.



Game Color Wash

The Washes developed with a new resin, are used for shadows and for the application of colors in layers. They can also be mixed with the regular colors, or with the Mediums. Black (Art. 73.301) and Sepia (Art. 73.300) are also available in 200 ml./6.76 fl.oz. pots with a wide mouth so that small figures can be quickly dipped and shaded.

Los lavados han sido formulados con una resina nueva. Se utilizan para sombras y para la aplicación de colores en capa. Se pueden mezclar con los colores Game Color y con los Mediums. El negro (Art. 73.301) y el sepia (Art. 73.300) también están disponibles en tarros de 200 ml./6.76 fl.oz. con boca ancha para una rápida inmersión y sombreado de figuras pequeñas.



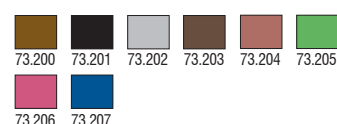
Art. 73.998

Game Color Washes

8 x 17 ml./0.57 fl.oz. Game Color Wash

Selection of 8 Game Color Wash for painting models and miniatures. Contains 8 bottles and color chart.

Selección de 8 Game Color Wash para pintar maquetas y miniaturas. Contienen 8 botellas y una carta de colores.



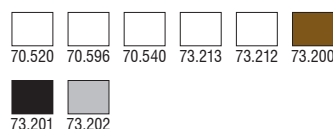
Art. 73.999

Auxiliary Set

8 x 17 ml./0.57 fl.oz. Auxiliaries & Washes

Selection of 8 auxiliary finishing products for painting models and miniatures. Contains 8 bottles and color chart.

Selección de 8 productos auxiliares para pintar maquetas y miniaturas. Contienen 8 botellas y una carta de colores.



Fantasy Pro Nocturna Sets (8 Colors)

Fantasy color sets containing 8 acrylic colors "Fantasy-Pro" formulated in collaboration with Nocturna Models and especially designed to paint fantasy and wargame figures and "pin ups".

Estuches de 8 colores acrílicos Fantasy-Pro realizados en colaboración con Nocturna Models, especialmente diseñados para pintar figuras de fantasía, wargames y "pin ups".



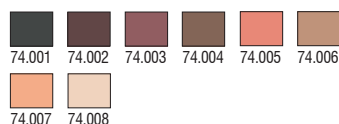
Art. 74.101

Fairy Flesh

8 x 17 ml./0.57 fl.oz. Fantasy-Pro colors

Set for skin tones with intense colors for small scale fantasy figures, or low saturation natural skin colors of historical figures or figures in war scenarios. The set includes detailed step by step instructions by Nocturna Models.

Estuche para pintar tonos de piel con colores intensos para escalas pequeñas o bien "desaturados" y naturales para figuras históricas o de temática bélica. Incluye un detallado paso a paso realizado por Nocturna Models.



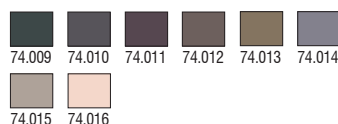
Art. 74.102

Malefic Flesh

8 x 17 ml./0.57 fl.oz. Fantasy-Pro colors

Set of colors for painting skin tones which require a greenish, bluish or violet tone, in order to obtain an artistic illustration effect. The set includes detailed step by step instructions by Nocturna Models.

Estuche para pintar tonos de piel que requieren entonaciones verdosas, azuladas y violáceas, para lograr una pintura más ambiental, tipo ilustración. Incluye un detallado paso a paso realizado por Nocturna Models.



Art. 74.103

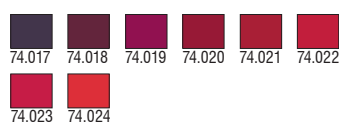
Crimson Red

8 x 17 ml./0.57 fl.oz. Fantasy-Pro colors

NEW!

Set of Fantasy-Pro colors for painting red and crimson areas that require cold or warm tones, in order to obtain artistic effects. The set includes detailed step by step instructions by Nocturna models.

Estuche de colores Fantasy-Pro para pintar superficies rojas y granates que requieran tonos fríos o cálidos y obtener artísticos resultados. El set incluye instrucciones paso a paso por Nocturna models.



Art. 74.104

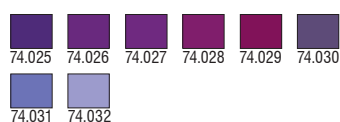
Imperial Purple

8 x 17 ml./0.57 fl.oz. Fantasy-Pro colors

NEW!

Set of Fantasy-Pro colors for painting purple and violet areas that require cold or warm tones, in order to obtain artistic effects. The set includes detailed step by step instructions by Nocturna models.

Estuche de colores Fantasy-Pro para pintar superficies violetas y púrpuras que requieran tonos fríos o cálidos y obtener artísticos resultados. El set incluye instrucciones paso a paso por Nocturna models.



Model painted
by Robert Karlsson

Game Air

Acrylic colors for miniature figures in fantasy and wargames, developed especially for airbrush techniques

Colores acrílicos para miniaturas de fantasía o wargames, desarrollados especialmente para el aerógrafo

EN Game Air is a range of waterbased, matt acrylic colors, developed especially for airbrushing. In the formulation of this range various new resins have been selected for qualities which up till now had not been achieved in waterbased colors. The strength, resistance and covering power of Game Air is superior to any acrylic airbrush color currently available and also allows for application by brush to highlight the smallest details of the miniature. The pigments have been selected according to their degree of light -fastness and optimum micronization. The effects of washes and transparencies can be obtained by diluting the colors; all colors and varnishes can be mixed together and diluted with Airbrush Thinner.

The colors in the range have been selected in collaboration with modelers specialized in fantasy figures and dioramas, and the existing colors in the Game Color range have been taken into particular consideration. The names and shades of the most popular colors of Game Color have been maintained in Game Air, using the formulation and resins employed for Model Air. In the color chart we include a diagram of the most frequent color combinations: base color, light and shadow.

Surface Primers:

The waterbased acrylic-polyurethane primers dry quickly to the touch, and confer a mat, self leveling base coat of extraordinary resistance. The painting of the model can be continued almost immediately.

Packaging:

Game Air is presented in bottles of 17 ml./0.57 fl.oz. with eyedropper. This packaging prevents the paint from evaporating and drying in the container.

ES Game Air es una gama de colores acrílicos mates, de base agua, desarrollado especialmente para aerografía. En la formulación de la gama se emplean resinas de última generación, con cualidades hasta ahora no disponibles en colores de base agua; su resistencia, dureza y poder de cubrición es superior a cualquier acrílico de aerografía. Los pigmentos han sido seleccionados en función de su grado de estabilidad a la luz, y su óptima micronización también permite la aplicación a pincel para resaltar los pequeños detalles de las miniaturas. Los efectos de lavados y transparencias se obtienen mediante aplicaciones muy diluidas de la pintura. Todos los colores y barnices se pueden mezclar entre sí y diluir con Airbrush Thinner. Los colores de la gama han sido seleccionados en colaboración con modelistas especializados en figuras y dioramas de fantasía y se han tenido muy en cuenta los colores existentes de Game Color. De hecho, se mantienen los nombres y los colores más populares de Game Color, empleando la formulación y las resinas utilizados para Model Air. En la carta de colores se muestra un cuadro de combinaciones de color para facilitar la obtención de sombras y luces partiendo del color base.

Imprimaciones:

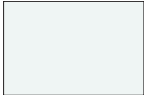
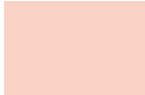
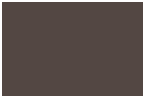
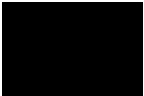
Las imprimaciones de acrílico-poliuretano de base agua, secan al tacto muy rápidamente, con un acabado mate y auto-nivelante y forman una película de extraordinaria dureza, que permite proseguir con el proceso de pintura de inmediato.

Presentación:

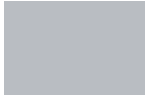
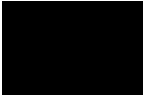
Game Air se presenta en botellas de 17 ml./0.57 fl.oz. con cuentagotas. Esta presentación evita la evaporación de la pintura y el secado dentro de la botella.



Game Air colors

IMPRIMACIONES / SURFACE PRIMER

							
70.600 Blanco White	70.601 Gris Grey	70.602 Negro Black	70.624 Rojo Puro Pure Red	70.625 Azul Ultramar Ultramarine	70.626 Cuero Marrón Leather Brown	70.627 Hueso Esqueleto Skeleton Bone	70.628 Metal Armadura Plate Mail Metal

PRODUCTOS AUXILIARES / AUXILIARY PRODUCTS

				
70.510 Barniz Brillante Gloss Varnish	70.520 Barniz Mate Matt Varnish	70.522 Barniz Satinado Satin Varnish	71.261 Diluyente Aerógrafo Airbrush Thinner	73.214 Medium de Desgaste Chipping Medium

Art. 72.865

Game Air Face Painting

8 x 17 ml./0.57 fl.oz. Game Air

The set contains Game Air airbrush ready colors, 4 of which have been developed especially for this set, and includes detailed step by step painting instructions by Angel Giráldez, showing the process of painting male and female faces.

El set contiene colores Game Air para aerografía, 4 son nuevos colores desarrollados especialmente para este set. Incluye instrucciones detalladas realizadas por Ángel Giráldez que muestran el proceso de pintar caras masculinas y femeninas.

					
72.703	72.715	72.743	72.744	72.769	72.770
					
72.771	72.772				



Color Cases

EN Rigid plastic carrying cases, handy for storage and transportation of 17 ml./0.57 fl.oz. bottles, with varying contents, from 29 colors and a Harder and Steenbeck Ultra 0,2 mm. airbrush to 80 colors and mediums, and including three Toray paint brushes.

ES Maletines de plástico rígido idóneos para el almacenaje y el transporte de botellas de 17 ml./0.57 fl.oz., con varias opciones de contenido y producto, desde 29 colores con un aerógrafo Harder and Steenbeck Ultra de 0,2 mm., hasta una selección de 80 colores, médiums y 3 pinceles de Toray.



Art. 70.098

Art. 70.172

Basic Model Color Case

72 x 17 ml./0.57 fl.oz. acrylic colors

Plastic carrying case for paints. Includes 72 basic colors & 3 Toray brushes & color chart.
Maletín de plástico para el transporte de pinturas. Incluye 72 colores básicos, 3 pinceles de Toray y carta de colores.

70.951	70.919	70.842	70.820	70.918	70.917	70.952	70.953	70.927	70.956	70.817	70.909	70.908	70.957	70.926	70.959	70.899
70.965	70.930	70.963	70.961	70.970	70.891	70.827	70.920	70.895	70.890	70.889	70.887	70.893	70.980	70.971	70.879	70.914
70.913	70.847	70.824	70.981	70.976	70.843	70.982	70.940	70.846	70.984	70.921	70.983	70.872	70.993	70.883	70.907	70.989
70.870	70.991	70.992	70.866	70.995	70.950	70.861	70.997	70.878	70.801	70.998	70.999	70.863	70.934	70.521	70.520	70.510
70.522	70.524	70.855	70.733													



Art. 70.173

Military Model Color Case

74 x 17 ml./0.57 fl.oz. acrylic colors

Plastic carrying case for paints. Includes 74 military colors and 3 Toray brushes & color chart.
Maletín de plástico para el transporte de pinturas. Incluye una selección de 74 colores militares, 3 pinceles de Toray y carta de colores.

70.951	70.837	70.916	70.845	70.805	70.926	70.898	70.899	70.964	70.903	70.891	70.833	70.922	70.920	70.823	70.892	70.975
70.890	70.889	70.888	70.887	70.924	70.893	70.894	70.979	70.897	70.896	70.980	70.886	70.830	70.821	70.884	70.816	70.986
70.880	70.988	70.978	70.923	70.976	70.912	70.847	70.819	70.977	70.824	70.876	70.874	70.875	70.940	70.984	70.921	70.873
70.983	70.825	70.985	70.871	70.872	70.822	70.883	70.907	70.989	70.904	70.991	70.992	70.868	70.867	70.866	70.995	70.950
70.878	70.801	70.865	70.863	70.520	70.524											



Art. 70.175

Model Color Combination Case

72 x 17 ml./0.57 fl.oz. acrylic colors

Plastic carrying case for paints. Includes 72 basic colors for painting combinations for highlights, base & shadows. Also includes 2 Mediums, 3 Toray brushes & color chart.

Maletín de plástico para el transporte de pinturas. Incluye 72 colores básicos escogidos para realizar combinaciones de bases, luces y sombras. Además, incluyen 2 Mediums, 3 pinceles de Toray y carta de colores.

70.951	70.928	70.917	70.966	70.949	70.953	70.948	70.815	70.955	70.927	70.845	70.860	70.911	70.851	70.910	70.908	70.926
70.859	70.835	70.944	70.958	70.945	70.959	70.811	70.960	70.899	70.965	70.930	70.841	70.844	70.961	70.808	70.954	70.833
70.850	70.968	70.975	70.979	70.980	70.886	70.830	70.988	70.976	70.847	70.856	70.929	70.875	70.846	70.984	70.921	70.983
70.871	70.941	70.872	70.883	70.907	70.989	70.990	70.905	70.991	70.992	70.994	70.862	70.950	70.997	70.996	70.878	
70.864	70.800	70.854	70.520													



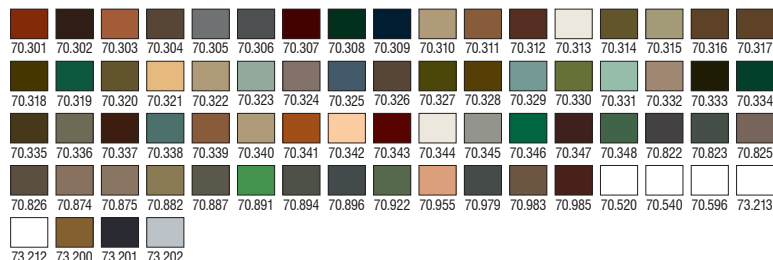
Color Cases

Art. 70.174

Panzer Aces Colors

72 x 17 ml./0.57 fl.oz. acrylic colors

Plastic case with 72 Panzer Aces colors, 3 Toray Brushes, color chart & Panzer Aces Magazine.
Maletín de plástico con 72 Panzer Aces, 3 Pinceles de Toray, carta de colores y Revista Panzer Aces.

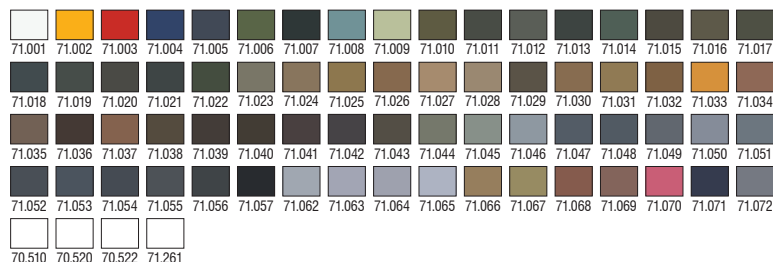


Art. 71.170

Basic Model Air Color Case

72 x 17 ml./0.57 fl.oz. acrylic colors

Plastic case with 72 Model Air colors. Also includes 2 Mediums, 3 Toray brushes & color chart.
Maletín de plástico con 72 Model Air. Incluye 2 Mediums, 3 pinceles de Toray y carta de colores.



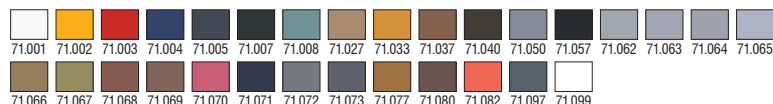
Art. 71.172

Model Air Basic Colors & Airbrush

30 x 17 ml./0.57 fl.oz. acrylic colors

Plastic carrying case with 29 Model Air acrylic colors, an Ultra H.S. airbrush, Hose 2,5 m., 1 quick Coupling Connection, Airbrush Cleaner and color chart.

Maletín de plástico para el transporte de pinturas. Incluye 29 colores acrílicos Model Air, un aerógrafo Ultra H.S., Manguera 2,5 m., conexión rápida para compresor, Limpiador de Aerógrafo y carta de colores.



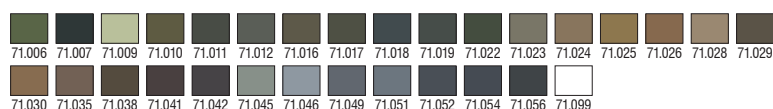
Art. 71.173

Camouflage Model Air Colors & Airbrush

30 x 17 ml./0.57 fl.oz. acrylic colors

Plastic carrying case with 29 Model Air colors, an Ultra Harder & Steenbeck airbrush, Hose 2,5 m., 1 quick Coupling Connection, Airbrush Cleaner and color chart.

Maletín de plástico para el transporte de pinturas. Incluye 29 colores acrílicos Model Air, un aerógrafo Ultra Harder & Steenbeck, manguera 2,5 m., conexión rápida para compresor, Limpiador de Aerógrafo y carta de colores.



Color Cases

Art. 72.172

Game Color Case

72 x 17 ml./0.57 fl.oz. acrylic colors

Plastic case with 72 Game Color. Includes 2 Mediums, 3 Toray brushes & color chart.

Maletín de plástico para el transporte de pinturas. Incluye 72 colores Game Color.

Incluye 3 pinceles de Toray y carta de colores.

72.001	72.002	72.003	72.004	72.005	72.006	72.007	72.008	72.009	72.010	72.011	72.012	72.013	72.014	72.015	72.016	72.017
72.018	72.019	72.020	72.021	72.022	72.023	72.024	72.025	72.026	72.027	72.028	72.029	72.030	72.031	72.032	72.033	72.034
72.035	72.036	72.037	72.038	72.039	72.040	72.041	72.042	72.043	72.044	72.045	72.046	72.047	72.048	72.049	72.050	72.051
72.052	72.053	72.054	72.055	72.056	72.057	72.058	72.059	72.060	72.061	72.062	72.063	72.064	72.065	72.066	72.067	72.068
70.596	70.520	70.522	70.510													



Art. 72.871

Basic Game Air Colors & Airbrush

29 x 17 ml./0.57 fl.oz. acrylic colors

+ 1 x 85 ml./2.87 fl.oz. Airbrush Cleaner

Plastic carrying case with 28 Game Air colors, 1 Airbrush Thinner and 1 Airbrush Cleaner, an Ultra Harder & Steenbeck airbrush, Hose 2,5 m., 1 quick Coupling Connection and color chart.

Maletín de plástico para el transporte de pinturas. Incluye 28 colores acrílicos Game Air, un diluyente de aerógrafo y un limpiador de aerógrafo, un aerógrafo Ultra Harder & Steenbeck, manguera 2,5 m., conexión rápida para compresor, y carta de colores.

72.701	72.705	72.706	72.707	72.708	72.710	72.711	72.712	72.714	72.715	72.720	72.721	72.722	72.723	72.728	72.729	72.730
72.732	72.734	72.743	72.747	72.749	72.751	72.752	72.753	72.754	72.756	72.776	71.261	71.099				



Art. 72.872

Game Air Case

64 x 17 ml./0.57 fl.oz. acrylic colors

Plastic case with 51 colors, 8 Surface Primers and 5 auxiliary products and color chart.

Maletín de plástico para el transporte de pinturas. Incluye 51 colores, 8 imprimaciones, 5 productos auxiliares y carta de colores.

72.701	72.703	72.704	72.705	72.706	72.707	72.708	72.709	72.710	72.711	72.712	72.713	72.714	72.715	72.720	72.721	72.722
72.723	72.728	72.729	72.730	72.732	72.733	72.734	72.735	72.736	72.740	72.741	72.743	72.744	72.745	72.747	72.748	72.749
72.750	72.751	72.752	72.753	72.754	72.755	72.756	72.757	72.758	72.761	72.762	72.763	72.769	72.770	72.771	72.772	72.776
70.600	70.601	70.602	70.624	70.625	70.626	70.627	70.628	70.510	70.520	70.522	71.261	73.214				



Art. 69.990

Mecha Color Case

80 x 17 ml./0.57 fl.oz. Mecha Color

Plastic case with 80 Mecha Color. Includes color chart.

Maletín de plástico para el transporte de pinturas. Incluye 80 Mecha Color y carta de colores.

69.001	69.002	69.003	69.004	69.005	69.006	69.007	69.008	69.009	69.010	69.011	69.012	69.013	69.014	69.015	69.016	69.017
69.018	69.019	69.020	69.021	69.022	69.023	69.024	69.025	69.026	69.027	69.028	69.029	69.030	69.031	69.032	69.033	69.034
69.035	69.036	69.037	69.038	69.039	69.040	69.041	69.042	69.054	69.055	69.056	69.057	69.058	69.059	69.060	69.061	69.062
69.063	69.064	69.065	69.066	69.067	69.068	70.640	70.641	70.642	70.643	70.644	69.507	69.505	69.518	69.522	69.521	69.515
69.821	69.813	69.817	69.814	69.818	69.701	69.702	69.703	71.261	71.262	73.212	73.214					





Weathering Effects

The realistic reproduction of the effects of time and weather on models and dioramas

Para reproducciones realistas de efectos de tiempo e intemperie sobre miniaturas y dioramas

EN The various products of the Weathering Effects range, all of them formulated with permanent pigments and waterbased acrylic resins, have been developed to represent the effects of time and weather on models and dioramas, so that they will look as once their originals in the field. This range of effects includes spilled fuel runnels, splashed mud, lichen and moss on wood, crushed grass stuck to the links on tank tracks, all the traces of wear and destruction on vehicles in harsh and hostile climate. By placing a vehicle in a realistic setting, at rest for a brief moment, we can tell a complete story about its history of past battles in foreign zones of war.

Packaging:

The Weathering Effects range is available in 40 ml./1.35 fl.oz. pots. The range of Thick Mud is available 40 ml./1.35 fl.oz. and 200 ml./6.76 fl.oz. pots.

ES Weathering Effects aporta realismo a vehículos y dioramas, formulada con pigmentos permanentes y resinas acrílicas de base agua para ofrecer al modelista una nueva interpretación de los procesos de pintura o envejecimiento, pensando en la naturaleza y su entorno, los efectos atmosféricos y la suciedad que puedan afectar a vehículos y elementos. Perfecta para representar vertidos y manchas de combustible, salpicaduras de barro, líquen cubriendo una roca o humedad y verdín recubriendo madera, manchas de petróleo en bidones y hierba aplastada por cadenas de un carro, todavía adherida a sus eslabones. Según nuestra elección, podremos ambientar con realismo un vehículo, integrarlo en el entorno y contar toda una historia sobre su vida operativa.

Presentación:

Weathering Effects está disponible en frascos de 40 ml./1.35 fl.oz. La gama de Barro Denso está disponible en frascos de 40 ml./1.35 fl.oz. y 200 ml./6.76 fl.oz. pots.



Splash Mud

When a vehicle drives through muddy terrain, mud splashes are inevitable. The range of Splash Mud has been formulated so that by simply blowing air through the airbrush over a brush loaded with mud, from a short distance from the model and on the specific area, realistic splash effects will be spattered all over the model. Splash Mud can also be applied using a stiff brush or stick. The range includes six different kinds of mud, manufactured with natural pigments and waterbased acrylic resins, which dries to a slightly glossy finish which suggest the humid nature of the products. The product can also be splashed on the model with an airbrush by loading a regular brush with Splash Mud and projecting air against the brush towards the model. Splash Mud is available in 40 ml./1.35 fl.oz. pots.

Cuando un vehículo se desplaza sobre terrenos encharcados o con lodo, las salpicaduras son inevitables. La formulación de la serie Splash Mud ofrece al modelista una consistencia perfecta para reproducir estos efectos, aportando detalles de realismo a las maquetas y dioramas. La gama consta de seis referencias que reproducen tonos de barro con un ligero matiz brillante siendo su uso tan simple como proyectar aire con nuestro aerógrafo sobre un pincel cargado con la mezcla, a corta distancia del modelo y sobre la zona que queremos trabajar, lo cual generará interesantes efectos de salpicaduras sobre la maqueta de gran realismo. Puede usarse también proyectándolo con la ayuda de un pincel de fibras duras y la ayuda de un palillo. Splash Mud está disponible en frascos de 40 ml./1.35 fl.oz.



40 ml./1.35 fl.oz

See example with step-by-step instructions, page 108.
Véase ejemplo con instrucciones paso a paso, página 108.

Art. 73.801

European Splash Mud Salpicaduras Barro Europeo

A dark brown color most commonly observed in central European terrain and humid areas of the Mediterranean countries. Most of the non alkaline grounds present this color.

Tono marrón oscuro, con el matiz más común observado en terrenos de Europa central y zonas mediterráneas húmedas. La mayoría de terrenos no alcalinos presentan este aspecto.



Art. 73.802

Russian Splash Mud Salpicaduras Barro Ruso

A familiar shade known as Black Earth, very fertile soil, especially dark and dense, found in Eastern Europe, the Ukraine and southern Russia.

Un matiz bien conocido, especialmente oscuro observado en terrenos fértiles y llamado "Tierra Negra" en los países del este de Europa, Ucrania y sur de Rusia.



Art. 73.803

Industrial Splash Mud Salpicaduras Barro Industrial

The color of grayish mud, native to urban environment where the presence of human activity, industrial construction and decay, has caused this particular shade of sludge.

Tono de barro grisáceo, propio de entornos urbanos, donde la actividad humana y sus construcciones, las ruinas o zonas destruidas generan ese matiz que sugiere presencia humana, suciedad y actividad industrial.



Art. 73.804

Light Brown Splash Mud Salpicaduras Barro Marrón Claro

The color of mud on alkaline lands, found in dry climates of desert and Mediterranean areas which, due to their sandy nature, easily absorb the humidity.

Tono de lodo generado sobre terrenos alcalinos, de matices arenosos y que absorben la humedad con facilidad, propio de entornos secos, desérticos o mediterráneos.



Art. 73.805

Brown Splash Mud Salpicaduras Barro Marrón

Dark colored mud, typical of fertile clay terrain where humidity is retained during long seasonal periods, found mostly in Mediterranean lands and the west of Europe.

Tono oscuro, propio de zonas arcillosas y fértiles que retienen la humedad durante mucho tiempo en largos periodos estacionales, en zonas Mediterráneas y del oeste de Europa.

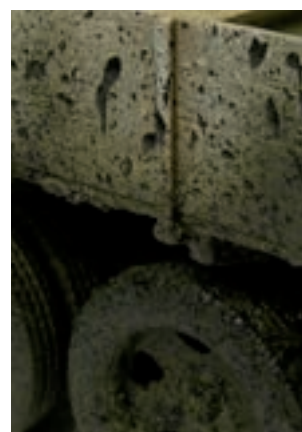


Art. 73.806

Black Splash Mud Salpicaduras Barro Negro

Very dark color, found in earth which is very rich in vegetal substratum, similar to peat, as in wooded and humid areas and in the north of Europe.

Tono muy oscuro propio de terrenos muy ricos en sustrato vegetal, similar a la turba, como es habitual en zonas boscosas, húmedas y del norte de Europa.



Thick Mud

The range consists of 6 products with a heavy and thick consistency and a slightly glossy finish, ideal for reproducing terrain on vignettes or dioramas, as well as for texture on the wheels of a car or truck, the lower part of vehicles, and accumulations of mud on the tank tracks. The remains of vegetation included in some of the references provide an especially realistic texture to the final aspect of the model. Thick Mud is available in 40 ml./1.35 fl.oz. and 200 ml./6.76 fl.oz. pots.

La gama consta de 6 referencias de consistencia espesa y densa, con un ligero matiz brillante ideal para reproducir terrenos sobre viñetas o dioramas así como para texturizar los bajos de un vehículo y sus ruedas, o bien las cadenas de un blindado y las acumulaciones de barro sobre el tren de rodaje. Los restos de vegetación incluidos en alguna referencia aportan un especial realismo a la textura del mismo y a su aspecto final. Thick Mud está disponible en frascos de 40 ml./1.35 fl.oz. y 200 ml./6.76 fl.oz. pots.



40 ml./1.35 fl.oz

See example with step-by-step instructions, page 109.
Véase ejemplo con instrucciones paso a paso, página 109.

Art. 73.807 European Mud Barro Europeo

A dark brown color with traces of vegetation, most commonly observed in central European terrain & humid areas of the Mediterranean countries. Most of the non alkaline grounds present this aspect. European Mud also is available 200 ml./6.76 fl.oz. (Art. 26.807).

Tono marrón oscuro que incluye trazas de vegetación con el matiz más común de los terrenos de Europa central y zonas mediterráneas húmedas. La mayoría de terrenos no alcalinos presentan este aspecto. Barro Europeo también está disponible en 200 ml./6.76 fl.oz. (Art. 26.807).



Art. 73.808 Russian Mud Barro Ruso

A familiar shade known as Black Earth, especially dark and dense, found in the very fertile soil of Eastern Europe, the Ukraine and southern Russia. Russian Mud contains traces of vegetation which add a special density and realistic texture. Russian Mud also is available 200 ml./6.76 fl.oz. (Art. 26.808).

Un matiz bien conocido, observado en terrenos especialmente fértiles y llamado "Tierra Negra" en los países del este de Europa. Es especialmente oscuro y denso y contiene trazas de vegetación. Barro Ruso también está disponible en 200 ml./6.76 fl.oz. (Art. 26.808).



Art. 73.809 Industrial Mud Barro Industrial

The color of grayish mud, native to urban environment, where the presence of human activity, industrial construction, ruins and decay, have caused this particular shade of sludge. Industrial Mud also is available 200 ml./6.76 fl.oz. (Art. 26.809).

Tono de barro grisáceo, propio de entornos urbanos, donde la actividad humana y sus construcciones, las ruinas o zonas destruidas generan este matiz que sugiere presencia humana, suciedad y actividad industrial. Barro Industrial también está disponible en 200 ml./6.76 fl.oz. (Art. 26.809).



Art. 73.810 Light Brown Mud Barro Marrón Claro

The color of mud occurring on alkaline lands, in dry climates of desert and Mediterranean areas, which due to their sandy nature easily absorb humidity. Light Brown Mud also is available 200 ml./6.76 fl.oz. (Art. 26.810).

Tono de lodo generado sobre terrenos alcalinos, de matices arenosos que absorben la humedad con facilidad, propio de entornos secos, desérticos o mediterráneos. Barro Marrón Claro también está disponible en 200 ml./6.76 fl.oz. (Art. 26.810).



Art. 73.811 Brown Mud Barro Marrón

Dark colored mud, typical of fertile clay lands where humidity is retained during long seasonal periods, found mostly in Mediterranean areas and the west of Europe. Brown Mud also is available 200 ml./6.76 fl.oz. (Art. 26.811).

Tono oscuro, propio de tierras arcillosas y fértiles que retienen la humedad durante mucho tiempo y largos periodos estacionales, en zonas del Mediterráneo y del oeste de Europa. Barro Marrón también está disponible en 200 ml./6.76 fl.oz. (Art. 26.811).



Art. 73.812 Black Mud Barro Negro

Very dark color, seen in earth similar to peat, which is very rich in vegetal substratum, such as found in wooded and humid areas in the north of Europe. Black Mud also is available 200 ml./6.76 fl.oz. (Art. 26.812).

Tono muy oscuro propio de terrenos muy ricos en sustrato vegetal, similar a la turba, como es habitual observar en zonas boscosas y húmedas del norte de Europa. Barro Negro también está disponible en 200 ml./6.76 fl.oz. (Art. 26.812).



Engine Effects

A vehicle with an engine has many moving parts -the transmission, wheels and axis, tracks and hinges- all of them mechanisms subject to traction and movement which have to be lubricated to function correctly. In addition, the internal combustion engine needs fuel, and dust accumulates, while dirt forms a part of this mechanical and dynamic context. The range of Engine Effects offers the modeler a series of references to reproduce the fuel stains, the spilled oil (leaving a trail of drops on the vehicle panels and in the dust of the road), the marks left by the oil drums on the floor of the truck, the dirt accumulated in the engine compartment, all these to enhance the realistic aspect of the model. Engine Effects is available in 40 ml./1.35 fl.oz. pots.

Los motores tienen muchas partes móviles (ruedas, ejes, trenes de rodaje y bisagras) sometidas a tracción y desplazamientos que deben ser lubricados para su correcto uso y funcionamiento. Además un motor a combustión interna precisa de carburante y el polvo y la suciedad se acumulan sobre el mismo formando parte de ese contexto mecánico y dinámico. La gama Engine Effects ofrece al modelista una serie de referencias para reproducir las manchas de combustible, el aceite derramado (dejando un rastro de gotas sobre las planchas del carro o en el polvo del camino), las marcas en la caja del camión de los bidones cargados de petróleo, y la suciedad acumulada en el compartimento motor, para aportar el toque de realismo adecuado al modelo. Engine Effects está disponible en frascos de 40 ml./1.35 fl.oz.



40 ml./1.35 fl.oz

See example with step-by-step instructions, page 107.
Véase ejemplo con instrucciones paso a paso, página 107.

Art. 73.813

Oil Stains

Manchas de Aceite

Oil stains are common around engines, hinges and all the moving parts of vehicles. The shiny look of the stains give the model a realistic aspect. Oil Stains is applied in the shape of spatters, drips or traces in specific areas.

Las manchas de lubricantes se encuentran en los motores y alrededor de los elementos móviles de los vehículos. Su tono y su acabado brillante procuran un acabado realista al modelo. Se aplica en forma de salpicaduras, goterones o trazas en zonas determinadas.



Art. 73.814

Fuel Stains

Manchas de Combustible

In combat, the refueling of tanks and trucks took place in the field, and the crews used pails, funnels, sections of hose, etc. for the job; the fuel was spilled all over, leaving characteristic traces on the vehicles.

En combate, las reposiciones de combustible se efectuaron en el campo de batalla utilizando cubos, embudos improvisados y secciones de manguera. El combustible se derramaba sin remedio dejando rastros de manchas.



Art. 73.815

Engine Grime

Suciedad de Motor

On the surfaces of the engine block, inside the engine compartments and even in areas where rests of fuel and oil accumulated, dust and dirt created a grayish layer of dust on the vehicle surface.

Sobre las superficies de un bloque motor, en su compartimento o incluso en zonas donde se había acumulado restos de carburante o aceite se acumula una suciedad mezcla del polvo de un matiz grisáceo.



Art. 73.816

Diesel Stains

Manchas de Diesel

The stains of gasoline and diesel oil do not have the same color: Diesel Stains reproduces the exact orange shade of this fuel, the streaks, traces and splashes caused by refueling with diesel in the field are perfectly reproduced.

Las manchas de carburante tipo gasolina no tienen el mismo matiz que los de gasoil. Con Diesel Stains se reproduce el tono anaranjado y transparente del gasoil representando los rastros y trazas en los vehículos.



Art. 73.817

Petrol Spills

Salpicaduras de Petróleo

Reproduces the blue-black shade of intensity observed in heavy oils, lubricants, on barrels in a truck bed and round marks left by barrels on the ground, left by the flame throwers and combat vehicles.

Reproduce el matiz negro azulado que podemos observar en lubricantes y aceites pesados sobre bidones en la caja de carga de un camión, los rastros circulares en el suelo, las manchas grasientas en el expulsor de los lanzallamas, tanto de infantería como en los carros de combate.



Art. 73.818

Brown Engine Soot

Hollín de Motor

Brown Soot accumulates on engine bulkheads, on compartment walls, on the wheel housings of trains and underneath the carter and crankshafts - a combination of dirt, rests of engine oils and dust.

Una matiz marrón, resultado de suciedad acumulada, restos de lubricante y polvo, observado sobre las mamparas de motor, las paredes de sus compartimentos y los bajos de los camiones y vagones de tren.



Environment Effects

A series of references formulated to recreate the effects of the elements on vehicles, armour, constructions and terrain. The Environment Effects include grass crushed under the wheels or tracks of a tank, the remains of dirt streaking the windows of a vehicle, the humidity, the appearance of moss and lichen on stones, rust and snow, and vegetation crushed and mixed in mud on the roads of the front. The elements of nature and the effects of weather are recreated in this range to provide the modeler with the environmental setting in a quick, easy and realistic way. Environment Effects is available in 40 ml./1.35 fl.oz. pots. Snow also is available in 200 ml./1.35 fl.oz.

Una serie de referencias diseñadas para recrear los efectos de los elementos sobre vehículos, armamento, construcciones y terrenos. Environment Effects incluye la hierba aplastada por unas ruedas o las cadenas de un carro de combate, las señales de suciedad arrastrada por la lluvia sobre los cristales de un vehículo, la humedad, el verdín y los líquenes que la piedra o la madera muestran en su superficie, hasta nieve, óxido o vegetación mezclada con el barro de un camino al Frente. La naturaleza, sus elementos, las consecuencias de la intemperie, queda recreada con esta gama para facilitar al modelista el ambientar de forma sencilla, fácil y realista. Environment Effects está disponible en frascos de 40 ml./1.35 fl.oz. Nieve también está disponible en frascos de 200 ml./6.76 fl.oz.



40 ml./1.35 fl.oz

See example with step-by-step instructions, page 106.
Véase ejemplo con instrucciones paso a paso, página 106.

Art. 73.819 Rain Marks Marcas de Lluvia

Rain carries dust and dirt over surfaces, leaving streaks on vehicles and objects, while the dust, displaced by humidity, accumulates in the joints and chinks of the model.

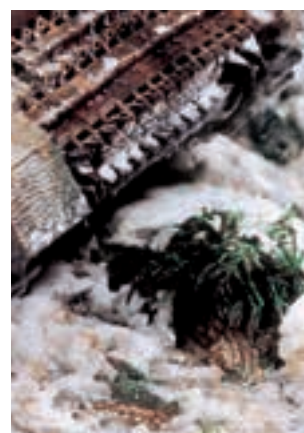
La lluvia arrastra el polvo y la suciedad de forma que ésta deja rastros sobre las superficies de vehículos y objetos, en forma de depósitos en hendeduras o relieves.



Art. 73.820 Snow Nieve

Snow is an ideal texture, coating surfaces evenly or in heaped mounds, with scale & proportion suitable for all scenarios, accumulated on vehicle tracks, on a cart, or on the sides of the road or the roof of a cottage. Snow also is available in 200 ml./6.76 fl.oz. (Art. 26.820).

Nieve es una textura ideal, tiene un efecto de escala y matices adecuada a cualquier viñeta, acumulada sobre las cadenas de un carro, en los márgenes de un camino o cubriendo el techo de un cobertizo o barracón. Nieve también está disponible en 200 ml./6.76 fl.oz. (Art. 26.808).



Art. 73.821 Rust Texture Texturas de Óxido

Rust Texture reproduces a rough orange coating, the dry, flaked aspect of rusted vehicles, burned out cars, oxidized metal surface in vignettes or dioramas. Apply by brush and airbrush, needle size 0.4 and high pressure.

Reproduce los tonos anaranjados y el aspecto áspero de un vehículo quemado y abandonado, un techo metálico o un coche en un desguace. Se aplica a pincel o aerógrafo con aguja de 0.4 y presión alta.



Art. 73.822 Slimy Grime Dark Suciedad Húmeda Oscura

Humidity generates slime and verdigris on wood, tree trunks, rocks and stone walls, moorings and pilings, in different colors, depending on the humidity. Slimy Grime Dark recreates the darkest shade, a black green.

La humedad genera moho y verdín sobre madera, cortezas de árboles, rocas y muros, embarcaderos y postes sumergidos, con variaciones de tono. Slimy Grime Dark recrea el tono más oscuro, un matiz verde negro.



Art. 73.823 Slimy Grime Light Suciedad Húmeda Clara

The effects of humidity create textures of greenish mould and slime even on areas exposed to the sun. The lighter shade of Grime is perfect combined with Slimy Grime Dark to recreate streaking from light to dark

Los efectos de humedad crean texturas de limo y moho incluso en zonas expuestas al sol. El matiz más claro de Grime es ideal combinado con Slimy Grime Dark para reproducir una progresión de tonos de claro a oscuro.



Art. 73.824 Streaking Grime Rastros de Suciedad

Streaking Grime achieves the effect of light dust suspended in the air or blown by the wind to accumulate into the ridges of vertical surfaces on vehicles and buildings.

Con Streaking Grime se consigue el efecto de polvo en suspensión o desplazado por el viento, depositado como una pátina de tono neutro, acumulado alrededor de hendeduras en superficies verticales, en vehículos o construcciones.



Environment Effects

Art. 73.825

Crushed Grass Hierba Aplastada

Crushed Grass contains traces of vegetation and reproduces the grass sticking to the wheels and tracks of vehicles, and in dioramas, crushed and flattened by the passage of heavy armour.

Hierba Aplastada contiene trazas de vegetación y reproduce el efecto de la hierba aplastada por el paso de los vehículos, en las cadenas de un tanque, o el terreno de dioramas.

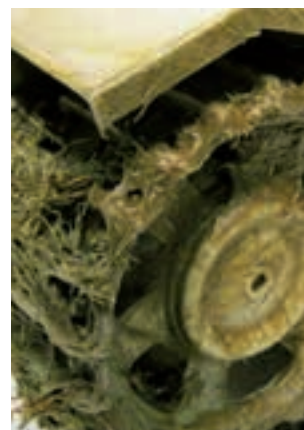


Art. 73.826

Mud and Grass Effects Efectos de Barro y Hierba

Mud and Grass Effect contains crushed vegetation, reproduces the texture of grass and mud, as well as compacted on the tracks of tanks and the wheels of armoured vehicles.

Mud and Grass Effect reproduce la textura que resulta del tránsito de los vehículos sobre hierba y barro. Contiene trazas de vegetación aplastada. Se aplica sobre ruedas o cadenas de los vehículos de combate y sobre dioramas.



Art. 73.827

Moss and Lichen Effects Efectos de Musgo y Líquen

Reproduces the weathered effect, the yellow green colors and textures of lichen on stones and walls, caused by the elements. Apply with a brush, or dabbed on with a sponge to reproduce the mottled aspect of the fungus.

Este producto reproduce el color y la textura moteada de liquen generado sobre piedras y muros. Se aplica con un pincel fino, o bien usando una pieza de esponja para reproducir el moteado.



Art. 73.828

Wet Effects Efectos de Humedad

Wet Effects is an all purpose weathering product, formulated to reproduce the humid aspect on models and dioramas. Can be combined with other weathering effects to increase the impression of humidity and wet weather.

Wet Effects reproduce el aspecto de humedad sobre maquetas y dioramas. Se puede combinar con otros efectos de la gama para incrementar la sensación de humedad.



Model painted
by Todd Michalak

Pigments

Pigments are used for weathering and ageing the finish of vehicles, armour, fortifications and structures

Los pigmentos se utilizan para envejecer y simular desgastes en los vehículos, blindajes, defensas y estructuras de las maquetas

EN The pigments chosen for this range are all earth and iron oxides, especially suitable for all the different climatic and geographical conditions of the terrain of a diorama.

To adhere the pigment to the surface of the model Matt Medium is used (70.540), or Pigment Binder (26.233) which dries more slowly and allows more time to simulate water and snow run-offs and to move the pigment into and around the details of the model.

Many other special effects can be obtained by mixing pigments with the products in our Diorama Effects range such as Transparent Water (26.201) to achieve effects of oil and grease stains, or Sandy Paste (26.215) to create a rough, coarse surface for heavy dried mud or flaking deep rust. The Earth and Iron Pigments are packaged with a childproof top to avoid accidental spillage.

Packaging:

Pots of 35 ml./1.18 fl.oz. (weight from 17-39 grams, according to pigment) with a childproof top.

ES Los pigmentos de esta gama son óxidos de hierro y tierras naturales, especialmente aptos para las diferentes condiciones climáticas y geográficas en los terrenos de un diorama.

Para fijar los pigmentos a la superficie se emplea una resina acrílica de acabado mate, como nuestro Medium Mate (70.540) o Pigment Binder (26.233) que tiene un secado más lento, facilita simular aguadas de lluvia y nieve, y proporciona más tiempo para manipular el pigmento dentro y alrededor de los detalles de la maqueta.

También se pueden realizar efectos especiales mezclando los pigmentos con los productos de la gama de Diorama Effects, como por ejemplo Agua Transparente (26.201) para efectos de grasa, aceite y barro húmedo, o Pasta Arenisca (26.215) para crear una superficie áspera y gruesa de barro seco o metal profundamente oxidado y desconchado. Los pigmentos de Tierra y Óxido de Hierro, para evitar derrames accidentales, se presentan con tapón de seguridad.

Presentación:

Tarros de 35 ml./1.18 fl.oz. (aprox. 17-39 gramos según pigmento) con cierre de seguridad.



Pigment Colors

Art. 73.101
Titanium White
Blanco Titanio



Art. 73.102
Light Yellow Ochre
Ocre Amarillo Claro



Art. 73.103
Dark Yellow Ochre
Ocre Amarillo Oscuro



Art. 73.104
Light Sienna
Sienna Claro



Art. 73.105
Natural Sienna
Sienna Natural



Art. 73.106
Burnt Sienna
Sienna Calcinado



Art. 73.107
Dark Red Ochre
Ocre Rojo Oscuro



Art. 73.108
Brown Iron Oxide
Marrón Óxido de Hierro



Art. 73.109
Natural Umber
Sombra Natural



Art. 73.110
Burnt Umber
Sombra Calcinada



Art. 73.111
Green Earth
Tierra Verde



Art. 73.112
Chrome Oxide Green
Verde Óxido de Cromo



Art. 73.113
Light Slate Grey
Pizarra Claro



Art. 73.114
Dark Slate Grey
Pizarra Oscuro



Art. 73.115
Natural Iron Oxide
Óxido Negro Natural



Art. 73.116
Carbon Black (Smoke Black)
Negro Carbón (Humo)



Art. 73.117
Rust
Óxido



Art. 73.118
New Rust
Óxido Reciente



Art. 73.119
European Earth
Tierra Europea



Art. 73.120
Old Rust
Óxido Antiguo



Art. 73.121
Desert Dust
Polvo Desierto



Art. 73.122
Faded Olive Green
Verde Oliva Desgastado



Art. 73.123
Dark Steel
Acero Oscuro



Art. 26.233 (35 ml./1.18 fl.oz.)
Pigment Binder
Fijador de pigmentos

Waterbased acrylic binder for pigments. Dries slowly to matt finish and allows more time to manipulate pigment.
Fijador acrílico para pigmentos de base agua. De secado lento y acabado mate. Proporciona más tiempo para manipular el pigmento.



Pigment Sets

Collection of 5 Pigment sets for painting models and miniatures. Each one of these sets has a selection of 4 colors to create special effects on figures, models and dioramas.

Colección de 5 estuches de pigmentos para pintar maquetas y miniaturas. Cada uno de los estuches tiene una selección de pigmentos para la creación de efectos especiales en figuras, maquetas y dioramas.

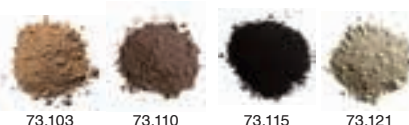
Art. 73.190

Dust & Dirt

Polvo y Suciedad

4 x 35 ml./1.18 fl.oz. Pigments

The pigment set includes a step by step guide by Chema Cabrero to assist in creating the effects of Dust & Dirt on models and dioramas. *Este nuevo formato blister incluye un paso a paso realizado por Chema Cabrero con el que guiará al modelista a lograr los efectos de polvo y suciedad sobre maquetas y dioramas.*



Art. 73.191

Mud & Sand

Barro y Arena

4 x 35 ml./1.18 fl.oz. Pigments

The pigment set includes a step by step guide by Chema Cabrero to assist in creating the effects of mud and sand on models and dioramas. This new set replaces earlier version (ref. 73.197).

Este nuevo formato blister incluye un paso a paso realizado por Chema Cabrero con el que guiará al modelista a lograr los efectos de barro y arena sobre maquetas y dioramas. Este estuche sustituye la versión anterior (ref. 73.197).



Art. 73.192

Stone & Cement

Piedra y Cemento

4 x 35 ml./1.18 fl.oz. Pigments

The pigment set includes a step by step guide by Chema Cabrero to assist in creating the effects of stone and cement on models and dioramas. This new set replaces earlier version (ref. 73.198).

Este nuevo formato blister incluye un paso a paso realizado por Chema Cabrero con el que guiará al modelista a lograr los efectos de piedra y cemento sobre maquetas y dioramas. Este estuche sustituye la versión anterior (ref. 73.198).



Art. 73.193

Soot & Ashes

Hollín y Cenizas

4 x 35 ml./1.18 fl.oz. Pigments

The pigment set includes a step by step guide by Chema Cabrero to assist in creating the effects of soot and ashes on models and dioramas. This new set replaces earlier version (ref. 73.199).

Este nuevo formato blister incluye un paso a paso realizado por Chema Cabrero con el que guiará al modelista a lograr los efectos de hollín y cenizas sobre maquetas y dioramas. Este estuche sustituye la versión anterior (ref. 73.199).



Art. 73.194

Rust & Corrosion

Óxido y Corrosión

4 x 35 ml./1.18 fl.oz. Pigments

The pigment set includes a step by step guide by Chema Cabrero to assist in creating the effects of rust and corrosion on models and dioramas. This new set replaces earlier version (ref. 73.196).

Este nuevo formato blister incluye un paso a paso realizado por Chema Cabrero con el que guiará al modelista a lograr los efectos de oxidación y corrosión sobre maquetas y dioramas. Este estuche sustituye la versión anterior (ref. 73.196).



See example with step-by-step instructions, page 112.
Véase ejemplo con instrucciones paso a paso, página 112.



Model Wash

Model Wash is the perfect product for reproducing the weathering of surfaces exposed to harsh climatic conditions

Model Wash es el producto perfecto para reproducir los desgastes de las superficies expuestas a condiciones climáticas extremas

EN For armour, vehicles, planes, ships, figures and war game figures. All surfaces exposed to sun, wind and dust, rain and snow, experience a change in color, a loss of intensity, a dulling and general fading which however is not even or overall. For the model painter, these changes in color are very difficult to reproduce, and to achieve these effects on a model, washes or filters are the perfect solution.

The washes are always needed to blend the edges of the colors on a model painted in various camouflage shades. The colors can also be mixed together to achieve further variations of shade and can be used with airbrush or brush, according to the model and the effect desired. Model Wash can be mixed with pigments to achieve a wide range of effects such as oil and flaked rust, mud, earth, dust, moss, etc. and when mixed with acrylic colors, they further help achieve the impact of heavy wear and weathering.

The washes have been formulated with a modified acrylic resin so that the superficial tension is similar to that of the traditional solvent-based washes and filters, but with the advantage of working with a waterbased medium. Average drying time is around 20 minutes. If several layers of wash are to be applied, it is best to wait around 40 minutes between applications. Painting tools are cleaned with water.

Tip: Model Wash diluted with water or Airbrush Thinner are frequently used as filters

Packaging: Flip top bottles of 35 ml. / 1.18 fl.oz. In boxes of 6 units.



ES El acabado perfecto para vehículos, aviones, barcos, figuras y maquetas de fantasía. Todas las superficies expuestas al sol, viento, polvo, lluvia y nieve sufren un cambio en color, una pérdida de intensidad, un desgaste que no es uniforme en toda la superficie. Para el modelista, estos cambios sutiles en el color son difíciles de reproducir y para lograr estos efectos en el modelo, los lavados o filtros son la solución perfecta.

Cuando pintamos un modelo con varios tonos de camuflaje, necesitamos un lavado de color para difuminar los colores. Los tonos se pueden mezclar entre sí para obtener múltiples variaciones de color y se pueden emplear a pincel o aerógrafo en función de la maqueta y efecto deseado.

Model Wash también se puede mezclar con pigmentos para conseguir múltiples efectos: aceite, óxido, barro, tierra, polvo, musgo, etc. Mezclando los lavados con nuestros colores acrílicos, se obtienen efectos de envejecimiento y desgaste extremo.

Los lavados han sido formulados con resina acrílica modificada para que su tensión superficial sea semejante a los tradicionales lavados y filtros al disolvente, pero con las ventajas de trabajar con colores de base agua. Su tiempo promedio de secado ronda los 20 minutos. Si se desean emplear varias capas es conveniente esperar unos 40 minutos antes de la próxima aplicación. Los utensilios se limpian con agua.

Consejo: Model Wash diluido con agua o Airbrush Thinner se puede utilizar como un filtro.

Presentación: Botellas de 35 ml./1.18 fl.oz. con tapón bisagra. En cajas de 6 unidades.

Model Wash Colors

See example with step-by-step instructions, page 110.
Véase ejemplo con instrucciones paso a paso, página 110.



76.501 Blanco / White

Recomendado para invierno/escenarios fríos y vehículos pintados en blanco.
Recommended for winter/cold scenes or models painted in white.



76.503 Amarillo Oscuro / Dark Yellow

Para maquetas pintadas en amarillo y colores claros. También es apto para camuflajes y escenarios naturales.
For yellow models and light colors. Also very suitable for all camouflages and natural scenes with vegetation, rivers and lakes.



76.505 Óxido Claro / Light Rust

Para efectos de oxidación y para escenarios de invierno, deterioro en vehículos y todo tipo de partes metálicas.
For rust effects and winter scenes, cold scenes and decay or abandoned vehicles, metallic structures or all kind of metallic parts.



76.506 Óxido / Rust

Para efectos de oxidación y para escenarios de invierno, deterioro en vehículos y todo tipo de partes metálicas.
For rust effects and winter scenes, cold scenes and decay or abandoned vehicles, metallic structures or all kind of metallic parts.



76.507 Óxido Oscuro / Dark Rust

Para efectos de oxidación y para escenarios de invierno, deterioro en vehículos y todo tipo de partes metálicas.
For rust effects and winter scenes, cold scenes and decay or abandoned vehicles, metallic structures or all kind of metallic parts.



76.512 Verde Oscuro / Dark Green

Para maquetas pintados en verde. También es apto para camuflajes y escenarios naturales con vegetación, ríos y lagos.
For all models painted in green, and is also perfect for camouflage colors and natural scenes with vegetation, rivers and lakes.



76.513 Marrón / Brown

Para modelos pintados en colores claros y tonos arena. Idóneo para orugas de tanques y para pequeños detalles ("pin wash").
For models painted in light or sand colors, and ideal for application on tank tracks and pin washes.



76.514 Marrón Oscuro / Dark Brown

Para modelos pintados en colores claros y tonos arena. Idóneo para orugas de tanques y para pequeños detalles ("pin wash").
For models painted in light or sand colors, and ideal for application on tank tracks and pin washes.



76.515 Gris Claro / Light Grey

Para modelos pintados en gris y colores oscuros, perfectos para marcas de lluvia y para pequeños detalles ("pin wash").
For models painted in grey and dark colors; they are also perfect for rain marks and pin washes.



76.516 Gris / Grey

Para modelos pintados en gris y colores oscuros, perfectos para marcas de lluvia y para pequeños detalles ("pin wash").
For models painted in grey and dark colors; they are also perfect for rain marks and pin washes.



76.517 Gris Oscuro / Dark Grey

Para modelos pintados en gris y colores oscuros, perfectos para marcas de lluvia y para pequeños detalles ("pin wash").
For models painted in grey and dark colors; they are also perfect for rain marks and pin washes.



76.518 Negro / Black

Para colores muy oscuros y pequeños detalles en las juntas y remaches de la maqueta.
For ultra dark washes and pin washes in the most recessed areas or parts.



76.519 Olive Green / Verde Oliva

Para añadir sombras alrededor de remaches o detalles hendidos sobre vehículos pintados en Verde Oliva o Verde Claro desgastado.
Recommended for adding shadows around rivets or recessed details on vehicles painted in Olive Green or faded Pale Green.



76.520 Dark Khaki Green / Verde Caqui Oscuro

Para reproducir efectos de profundidad y sombreado natural sobre vehículos con base caqui o camuflajes de tonos claros.
This wash is used to produce depth effects and natural shadows on vehicles painted with a khaki base color or light camouflage tones.



76.521 Oiled Earth / Tierra Engrasada

Para efectos de suciedad acumulada sobre los vehículos al mezclarse aceite grasa o carburante con el polvo seco, tanto sobre ruedas como partes móviles.
This wash reproduces the effects of accumulated dirt when oil, grease & fuel combine with caked dust on vehicles, wheels and other moving parts.



76.522 Desert Dust / Tierra Desierto

Para vehículos localizados en ambientes secos y desérticos, tanto de tonos claros como oscuros en su pintura de base, representando su acumulación natural.
This wash represents the natural accumulation of dust on vehicles painted with light or dark colors, especially in dry and desert climates.



76.523 European Dust / Tierra Europea

Recomendado para todo tipo de vehículos ubicados en el teatro europeo de operaciones, representando el tono más común de centro y oeste de Europa.
Recommended for all types of vehicles; the wash represents the most common tones of dust in central and eastern Europe.



76.524 Blue Grey / Gris Azulado

Recomendado para vehículos de base Panzer Grey así como todo tipo de vehículos de base similar.
Wash indicated for vehicles with a Panzer Grey base color, as well as all vehicles with a similar grey base.

Chipping Medium Medium de Desgaste

Waterbased Medium for creating flaked paint, scratches, and rust chips. Can be applied with airbrush or brush to create chipping effects with waterbased acrylic colors.

Medium acrílico para la creación de roces, desgastes y desconchados. Se aplica con aerógrafo o pincel para crear efectos de desconchados con colores acrílicos.

Packaging:
73.214: 17 ml./0.57 fl.oz.
76.550: 35 ml./1.18 fl.oz.





Surface Primer

Primers for a tough and very resistant finish, formulated with acrylic polyurethane resin in a waterbased formula

Imprimación de gran resistencia y dureza, formulados con resina de poliuretano de base agua



EN This range of primers consists of a series of neutral colors, black, grey and white, and includes the RAL and Federal Standard colors used most frequently on vehicles, aircraft, ships and figures. The primers have been developed first of all to be used as base coat and primer at once, while at the same time their chemical composition has been designed to bring forth the most minute details of the model, so that the work of painting, blending, filtering and applying a wash, in short, all detailing effects, are easier to accomplish. Product can be used directly or diluted with AV Thinner Ref. 161 or AV Flow Improver Ref. 362.

The primer dries to a mat, self-levelling finish - drying time of this primer is very quick and a resistant coating is obtained 24 hours after the application. All colors show great resistance to handling, and are ideal for priming surfaces such as resin, plastic, brass or white metal. Airbrushes are cleaned easily with water; if a more thorough cleaning is indicated, we recommend our Airbrush Cleaner AV 71.099.

Packaging:

The range of primers is available in 17 ml./0.57 fl.oz. bottles (with eye-dropper) and in larger sizes of 60 ml./2.02 fl.oz. and 200 ml./6.76 fl.oz. (with flip top and eyedropper).

ES La gama de Imprimaciones está compuesta por una serie de colores neutros, el negro, gris y blanco e incluye los tonos RAL y Federal Standard más utilizados sobre vehículos, aviones, barcos y figuras. Los Primers han sido formulados principalmente para su empleo como imprimación y color base al mismo tiempo: su formulación respeta todos los detalles que presenta la maqueta, facilitando los posteriores trabajos de pintura, fundidos, filtros, lavados, aguadas u otros efectos. Las imprimaciones se pueden usar directamente o diluir con Thinner ref. 161 o Flow Improver ref. 362.

El secado de la imprimación es muy rápido y se obtiene la mayor resistencia transcurridas 24 horas tras su aplicación, siendo su acabado mate y autonivelante. Todos los tonos muestran gran resistencia al manipulado y son idóneos para imprimir superficies como resina, plástico, latón o metal blanco. El aerógrafo se limpia fácilmente con agua y, si se desea una limpieza más eficaz, recomendamos el uso de nuestro Airbrush Cleaner AV 71.099.

Presentación:

La gama está disponible en botellas de 17 ml./0.57 fl.oz. (con cuenta-gotas), y botellas de 60 ml./2.02 fl.oz. y 200 ml./6.76 fl.oz. (con tapón bisagra y cuentagotas).

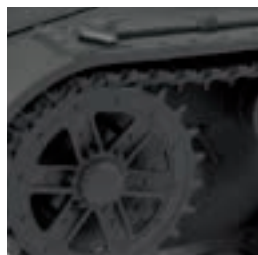
Surface Primers



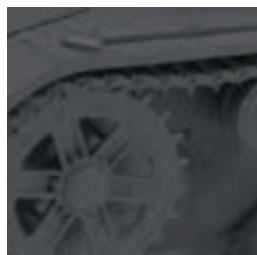
73.600
Blanco
White



73.601
Gris
Grey



73.602
Negro
Black



73.603 **RAL7021**
Dunkelgrau
German Panzer Grey



73.604 **RAL7028**
Dunkelgelb
German Dark Yellow



73.605 **RAL8012**
Rotbraun
German Red Brown



73.606 **RAL8000**
Gelbbraun
German Green Brown



73.607
Verde Bronce UK
UK Bronze Green



73.608 **FS34087**
Verde Oliva USA
USA Olive Drab



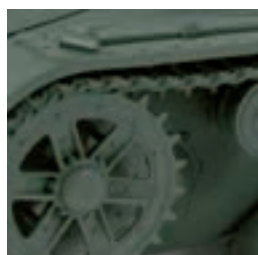
73.609
Verde Ruso 4BO
Russian Green 4BO



73.610
IJA Kare-Kusa-IRO
Parched Grass (Late)



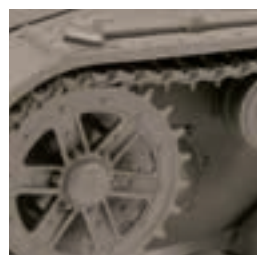
73.611
IJA Tsuchi-Kusa-IRO
Earth Green (Early)



73.612 **FS34094**
Verde OTAN
NATO Green



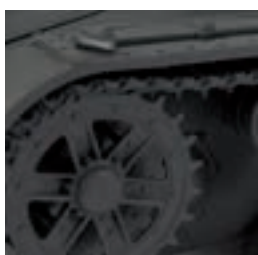
73.613
Arena Desierto
Desert Tan



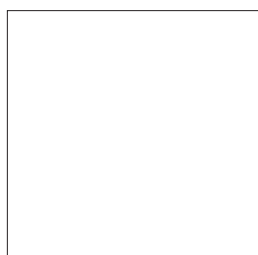
73.614
IDF Gris Arena Israeli
IDF Israeli Sand Grey (61-73)



73.615 **FS36375**
USN Gris Claro
USN Light Ghost Grey



77.660
Imprimación Negro Brillante
Gloss Black Primer



71.361
Diluyente Aerógrafo
Airbrush Thinner

* Colores en orden de referencia numérica.
Colors in numerical order of references.

Aerosol Surface Primer

3 aerosol Primers colors, black, grey and white, contents 400 ml./13.52 fl.oz. for base coating on plastic kits and figures. Solvent-based and flammable but does not contain CFC or Toluene.

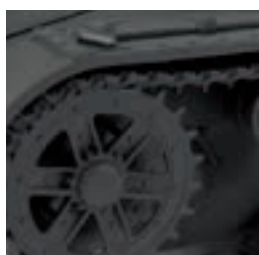
3 imprimaciones de colores, negro, gris y blanco en aerosol de 400 ml./13.52 fl.oz. para la preparación de maquetas y figuras. Inflamable. A base de disolventes. No contiene CFC ni tolueno.



28.010
Imprimación Blanco
White Primer



28.011
Imprimación Gris
Grey Primer



28.012
Imprimación Negro
Black Primer





Diorama Effects

Earth, mud, water and ground textures for the realistic reproduction of the environment

Tierra, barro, agua y texturas de terreno para reproducir con realismo entornos naturales



EN The placement of our model in a diorama or vignette gives it a reality, a background and a history, an added dimension and a reason for the humidity, the traces of mud, of the dry sand of the desert or the dark earth of the wooded landscapes of central Europe. The range of Diorama Effects offers the modeler everything needed for the reproduction of a terrain, with effects of sandy and dusty roads, or of snow, mud and water, all of which add to the realism of the setting and relate the model to its environment.

Packaging:

The range is available in 200 ml./6.76 fl.oz. pots.

ES Situar una maqueta en un diorama, una viñeta, supone conceder a nuestro modelo o figura un escenario, una realidad y un entorno físico que dará una dimensión de ubicación, una razón a la humedad o al barro, la arena reseca de un desierto o la tierra oscura de las zonas boscosas del centro de Europa. La gama de Diorama Effects facilita al modelista los medios para reproducir terrenos, efectos de nieve, barro y agua que aportaran mayor realismo a su maqueta.

Presentación:

La gama está disponible en tarros de 200 ml./6.76 fl.oz.

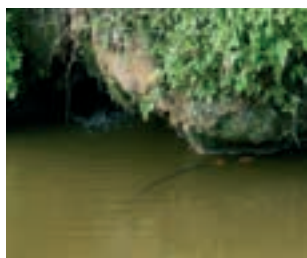
Water Textures



Art. 26.230 Still Water Aguas Tranquilas

A glass clear liquid which levels itself, even on irregular surfaces, to reproduce the effect of transparent still water. Apply in several fine layers of no more than 3 mm. thickness to prevent cracks or bubbles in the drying process. Still Water also is available 35 ml./1.18 fl.oz. (Art. 26.235).

Producto líquido cristalino, que se extiende y autonivela incluso sobre superficies irregulares para reproducir el efecto de agua tranquila. Es aconsejable aplicarlo en finas capas de no más de 3 mm, evitando así grietas o burbujas en el proceso de secado. Aguas Tranquilas también está disponible en 35 ml./1.18 fl.oz. (Art. 26.235).



Art. 26.201 Transparent Water Agua Transparente

Transparent gel, perfect for the reproduction of moving shallow waters, or shaping waves and peaks. Transparent Water dries to a transparent and glossy finish in about 24 hours, depending on the thickness of the application. Transparent Water also is available 35 ml./1.18 fl.oz. (Art. 26.591).

Gel transparente, especialmente indicado para reproducir aguas poco profundas en movimiento, y modelar olas y crestas. Seca en unas 24 horas, dependiendo del volumen de la aplicación formando una película transparente y brillante. Agua Transparente también está disponible en 35 ml./1.18 fl.oz. (Art. 26.591).



Art. 26.202 Mediterranean Blue/Azul Mediterráneo

Dense blue gel, of a color similar to the Mediterranean Sea. Due to the translucent nature of the product, it is recommended to apply it on a base painted previously with a darker color to enhance the effect of depth. The gel dries in approx. 24 hours, depending on the thickness of the application.

Gel denso azul, de matiz similar a las aguas del Mediterráneo. Debido a la naturaleza translúcida del producto se recomienda aplicarlo sobre una base pintada previamente con un color más oscuro para realzar el efecto de profundidad. Seca en unas 24 horas, dependiendo del volumen de la aplicación.



Art. 26.203 Pacific Blue/Azul Pacífico

Dense blue gel, of a color similar to the Pacific Ocean. Due to the translucent nature of the product, it is recommended to apply it on a base painted previously with a darker color to enhance the effect of depth. The gel dries in approximately 24 hours, depending on the thickness of the application.

Gel denso azul, de matiz similar a las aguas del Pacífico. Debido a la naturaleza translúcida del producto se recomienda aplicarlo sobre una base pintada previamente con un color más oscuro para realzar el efecto de profundidad. Seca en unas 24 horas, dependiendo del grosor de la aplicación.



Water Textures

See example with step-by-step instructions, page 102.
Véase ejemplo con instrucciones paso a paso, página 102.

Art. 26.204

Atlantic Blue/Azul Atlántico

Dense blue gel, of a color similar to the Atlantic Ocean. Due to the translucent nature of the product, it is recommended to apply it on a base painted previously with a darker color to enhance the effect of depth. The gel dries in approximately 24 hours, depending on the thickness of the application.

Gel denso azul, de matiz similar a las aguas del océano Atlántico. Debido a la naturaleza translúcida del producto se recomienda aplicarlo sobre una base pintada previamente con un color más oscuro para realzar el efecto de profundidad. Seca en unas 24 horas, dependiendo del grosor de la aplicación.

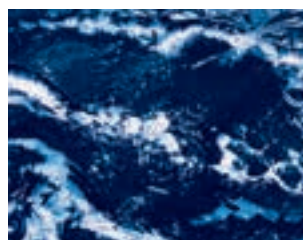


Art. 26.231

Foam/Espuma

A heavy, extra opaque white acrylic, which can be applied directly from the bottle, has been formulated for simulating raised crests on waves. The product can be sculpted with a palette knife or dry-brushed to form whirls & wakes on the surface of tinted Water gels. Dries quickly to a hard, white surface. Foam is available 32 ml./1.08 fl.oz.

Espuma acrílica blanco denso y opaco. Se puede aplicar directamente del frasco para formar crestas de olas y modelar con espátula para formar remolinos y estelas de espuma. Sobre aguas ya pigmentadas se recomienda emplear la técnica de pincel seco. Seca rápidamente para formar una superficie blanca y dura. Espuma está disponible en 32 ml./1.08 fl.oz.



Earth Textures

Art. 26.807

European Mud/Barro Europeo

A dark brown color with traces of vegetation, most commonly observed in central European terrain and humid areas of the Mediterranean countries. Most of the non alkaline grounds present this color.

Tono marrón oscuro que incluye trazas de vegetación con el matiz más común observado en terrenos de Europa central y zonas mediterráneas húmedas. La mayoría de terrenos no alcalinos presentan este aspecto.

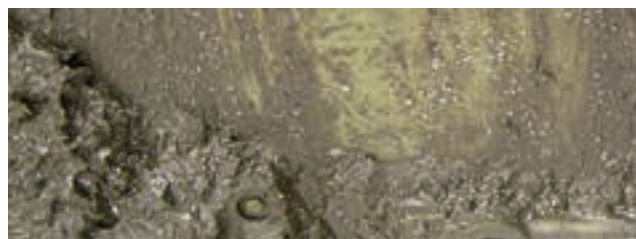


Art. 26.808

Russian Mud/Barro Ruso

A familiar shade known as Black Earth, especially dark and dense, found in the very fertile soil of Eastern Europe, the Ukraine and southern Russia. Russian Mud contains traces of vegetation which add a special density and realistic texture.

Un matiz especialmente oscuro y denso que incluye trazas de vegetación para aportar mayor realismo. Se localiza en terrenos especialmente fértiles del sur de Rusia y es conocido como "tierra negra" en Ucrania.



Art. 26.809

Industrial Mud/Barro Industrial

The color of grayish mud, native to urban environment, where the presence of human activity, industrial construction, ruins and decay, have caused this particular shade of sludge.

Tono de barro grisáceo, propio de entornos urbanos, donde la actividad humana y sus construcciones, las ruinas o zonas destruidas generan este matiz que sugiere presencia humana, suciedad y actividad industrial.



Art. 26.810

Light Brown Mud/Barro Marrón Claro

The color of mud occurring on alkaline lands, in dry climates of desert and Mediterranean areas, which due to their sandy nature easily absorb humidity.

Tono de lodo generado sobre terrenos alcalinos, de matices arenosos que absorben la humedad con facilidad, propio de entornos secos, desérticos o mediterráneos.



Thick Mud Textures



Art. 26.214 Black Lava-Asphalt Lava Negra

Black Lava has a thick and dense consistency, appropriate for volcanic grounds and for asphalt on roads and construction sites.

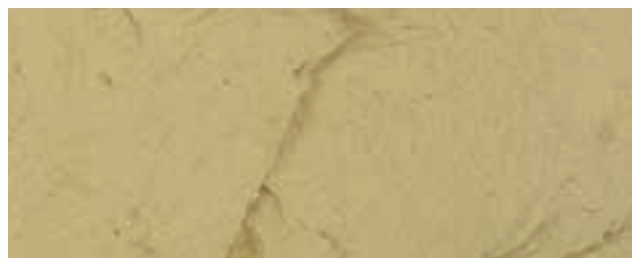
Textura de matiz negro intenso y de consistencia espesa y densa. Aplicado con una espátula reproduce el aspecto de asfalto en carreteras y tierra volcánica.



Art. 26.217 Desert Sand Arena Desierto

A sand - colored, gritty acrylic paste of medium viscosity for grounds of beaches and deserts.

Producto de un matiz marrón claro, de consistencia media, que reproduce texturas de arena como playas o desiertos.



Art. 26.218 Dark Earth Tierra Oscura

Dark Earth, the color of humid grounds, has a thick and dense consistency, appropriate for the reproduction of ground textures on diorama and vignette bases.

De matiz oscuro propio de zonas húmedas y de consistencia espesa y densa, apropiado para reproducir texturas de tierra sobre bases de dioramas o viñetas.



Art. 26.219 Brown Earth Tierra Marrón

Brown Earth, the color of clay grounds, has a thick and dense consistency, appropriate for the reproduction of ground textures on diorama and vignette bases.

Una textura de matiz marrón propio de zonas arcillosas, de consistencia espesa y densa, apropiado para reproducir texturas de tierra, sobre bases de dioramas o viñetas.



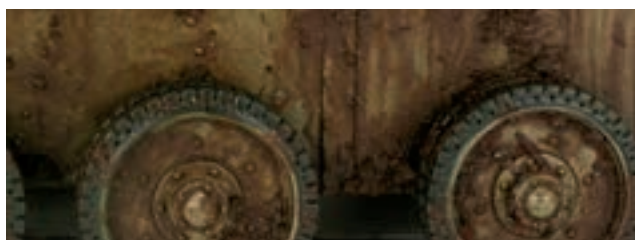
Thick Mud Textures

Art. 26.811

Brown Mud/Barro Marrón

Dark colored mud, typical of fertile clay lands where humidity is retained during long seasonal periods, found mostly in Mediterranean areas and the east of Europe.

Tono oscuro, propio de tierras arcillosas y fértiles que retienen la humedad durante mucho tiempo y largos períodos estacionales, en zonas del Mediterráneo y del oeste de Europa.



Art. 26.812

Black Mud/Barro Negro

Very dark color, seen in earth similar to peat, which is very rich in vegetal substratum, such as found in wooded and humid areas in the north of Europe.

Tono muy oscuro propio de terrenos muy ricos en sustrato vegetal, similar a la turba, como es habitual observar en zonas boscosas y húmedas del norte de Europa.



Ground Textures

Art. 26.211

White Stone

Pasta Piedra Blanca

Finely textured smooth white marble paste. Once dry, surface can be carved and sanded. The product can be used as mortar and filler on constructions and joints.

Textura fina y lisa de color blanco. Una vez seco se puede tallar y lijar, y se puede emplear como masilla sobre edificaciones, o como mortero y relleno de uniones entre piezas.



Art. 26.212

Rough White Pumice

Piedra Pómez Blanca

Heavy paste of resin, titanium white and natural pumice, with a rough white finish, for surface building and irregular terrain, reliefs and peak.

Pasta espesa de resina, blanco de titanio y piedra pómez natural, con un acabado áspero blanco. Apto para crear superficies y terrenos irregulares, relieves y picos.



Art. 26.213

Rough Grey Pumice

Piedra Pómez Gruesa

Heavy paste of resin and natural pumice stone, with a rough grey finish, for surface building and irregular terrain, reliefs and peaks.

Pasta espesa de resina y piedra pómez natural, con un acabado áspero gris, para crear superficies y terrenos irregulares, relieves y picos.



Art. 26.215

Grey Sand

Arena Gris

Grey rough texture to reproduce the coarse terrain of dunes and rocks in arid climates. The texture is also ideal for creating surfaces of rusted metal. Grey Sand also is available 35 ml./1.18 fl.oz. (Art. 26.232).

Pasta espesa con acabado gris áspero para reproducir entornos con dunas y relieves propios de climas áridos. Su textura es también idónea para crear superficies de metal oxidado. Arena Gris también está disponible en 35 ml./1.18 fl.oz. (Art. 26.232).



Ground Textures

Art. 26.820 Snow/Nieve

Snow reproduces the glittery look of this element, and is an ideal medium to work with, easily coating all surfaces, evenly or in heaped mounds. The product dries in 24 hours, and further coats can be applied for more volume.

La nieve reproduce el efecto de brillo de dicho elemento así como una textura ideal para trabajarla aplicada sobre superficies o acumulaciones. Seca en 24 horas pudiendo añadir más capas para recrear efectos de volumen.



Art. 73.189 Mud & Puddles Barro y Charcos

2 x 35 ml./1.18 fl.oz. Diorama Effects
+ 2 x 40 ml./1.35 fl.oz. Weathering Effects

A selection of 4 textures for the effects of wet Mud & Puddles on models and dioramas.

Selección de 4 texturas para crear efectos de barro húmedo y charcos en maquetas y dioramas.





Premium RC Color

Acrylic airbrush colors. Suitable for all surfaces, especially for metals, fibreglass, polyethylene, clear Lexan[®] polycarbonate, slot car and RC bodies

Pintura acrílica para aerógrafo. Para todas superficies, especialmente para metales, fibra de vidrio, polietileno, policarbonato Lexan, Slot y carrocerías RC



EN PREMIUM COLOR is a safe waterbased, highly versatile airbrush ready paint, suitable for all surfaces, but especially formulated for superior adhesion to metals, fibreglass, polyethylene, clear Lexan[®] polycarbonate, slot car and RC bodies; and all tuning and automotive applications.

Premium colors have been formulated with micronized, permanent pigments and an extremely resistant, exterior grade hybrid resin-polyurethane base, which withstands impacts, resists chipping and cracking, direct exposure to heat and outdoor elements, and is fuel residue proof up to a least 35% Nitro.

The range consists of 20 bright opaque colors, 23 dazzling Metallics & Fluorescents, and 9 transparent Candy Colors, all suitable for details and large surfaces and can be applied by brush as well as airbrush. The range is complete with 8 auxiliary products. For extra protective final coating, we recommend a catalyzed urethane clear varnish (spray can or airbrush).

Packaging:

In flip-top bottles of 60 ml./2.02 fl.oz. and 200 ml./6.76 fl.oz.

ES Los colores PREMIUM han sido formulados empleando pigmentos micronizados y permanentes y una nueva resina híbrida de acrílica-poliuretano, con una gran resistencia a impactos y al agrietamiento, así como a la exposición directa al calor. Los colores PREMIUM permanecen inalterables a algunas mezclas de combustible empleadas en R/C (hasta el 35% nitro).

Premium Color es idóneo para pintar cascos, depósitos, automóviles (tuning) etc. Para obtener mejores resultados en algunas superficies recomendamos una base de Imprimación de Poliuretano (62.601).

La gama es de 20 Colores Opacos, 23 Metalizados y Fluorescentes y 9 transparentes "Candy". Los colores son excelentes tanto para detalles como para cubrir grandes superficies y pueden ser aplicados con pincel o aerógrafo. La gama se complementa con 8 Auxiliares. Para una protección especial muy resistente recomendamos barniz uretánico (aerosol o aerógrafo).

Presentación:

En botellas, con tapón bisagra, de 60 ml./2.02 fl.oz. y 200 ml./6.76 fl.oz.

Premium RC Colors

Colores Opacos / Opaque Colors

62.001 Blanco White	62.002 Carne Flesh Tone	62.003 Amarillo Básico Basic Yellow	62.004 Naranja Orange	62.005 Rojo Vivo Bright Red	62.006 Carmin Carmine	62.007 Magenta Magenta	62.008 Violeta Violet
62.009 Azul Cobalto Cobalt Blue	62.010 Azul Básico Basic Blue	62.011 Azul Oscuro Dark Blue	62.012 Verde Azul Blue Green	62.013 Verde Básico Basic Green	62.014 Verde Oscuro Dark Green	62.015 Ocre Amarillo Yellow Ochre	62.016 Ocre Oscuro Dark Ochre

Colores Fluorescentes / Fluorescent Colors

62.017 Siena Natural Raw Sienna	62.018 Sepia Sepia	62.019 Gris Grey	62.020 Negro Black	62.031 Amarillo Fluorescente Fluorescent Yellow	62.032 Amarillo Dorado Fluorescente Fluorescent Golden Yellow	62.033 Naranja Fluorescente Fluorescent Orange	62.034 Escarlata Fluorescente Fluorescent Scarlet

Nacarados y Metalizados / Pearl & Metal

62.035 Rosa Fluorescente Fluorescent Rose	62.036 Magenta Fluorescente Fluorescent Magenta	62.037 Violeta Fluorescente Fluorescent Violet	62.038 Azul Fluorescente Fluorescent Blue	62.039 Verde Fluorescente Fluorescent Green	62.040 Fosforescente Phosphorescent	62.041 Medio Metálico Metallic Medium	62.042 Amarillo Metálico Metallic Yellow
62.043 Naranja Metálico Metallic Orange	62.044 Rojo Metálico Metallic Red	62.045 Violeta Metálico Metallic Violet	62.046 Azul Metálico Metallic Blue	62.047 Verde Metálico Metallic Green	62.048 Plata Silver	62.049 Oro Gold	62.050 Cobre Copper

Colores Transparentes / Candy Colors

62.051 Acero Steel	62.052 Gris Metálico Gunmetal	62.053 Negro Metálico Metallic Black	62.071 Amarillo Transparente Candy Yellow	62.072 Amarillo Osc. Transparente Candy Dark Yellow	62.073 Naranja Transparente Candy Orange	62.074 Rojo Transparente Candy Red	62.075 Magenta Transparente Candy Magenta

Productos Auxiliares / Auxiliary Products

62.076 Azul Racing Transparente Candy Racing Blue	62.077 Verde Racing Transparente Candy Racing Green	62.078 Marrón Transparente Candy Brown	62.079 Negro Transparente Candy Black	62.061 Blanco Imprimación White Primer	62.062 Barniz Mate Matt Varnish	62.063 Barniz Satinado Satin Varnish	62.064 Barniz Brillante Gloss Varnish
62.065 Retardante Retarder	62.066 Diluyente Reducer	62.067 Limpiador Cleaner	62.068 Transparente Clear Base				

Premium RC Color Sets

Serie of 4 Premium Color sets. Each one of these sets has a different selection of colors, and contain 5 bottles of 60 ml./2.02 fl.oz. (with flip top).

Colección de 4 estuches de Premium Color. Cada uno de los estuches tiene una selección de colores primarios y contiene 5 botellas de 60 ml./2.02 fl.oz. (con tapón bisagra).



Art. 62.101
Opaque Basics
Básicos Opacos

62.001	62.003	62.005	62.010	62.020

Art. 62.102
Fluorescent Colors
Colores Fluorescentes

62.031	62.036	62.037	62.038	62.039

Art. 62.103
Metallic Colors
Colores Metalizados

62.042	62.044	62.046	62.048	62.053

Art. 62.104
Candy Colors
Colores Transparentes

62.071	62.074	62.075	62.076	62.079

Auxiliary Products/Productos Auxiliares

Airbrush Mediums

	Airbrush Flow Improver Medium designed to improve the flow and delay the drying of paint on the needle while airbrushing. It is recommended to add 1-2 drops of Flow Improver to 10 drops of paint in the cup of the airbrush.	<i>Airbrush Flow Improver</i> <i>Médiu formulado para mejorar la fluidez de la pintura y retrasar su secado en el aerógrafo. Recomendamos añadir 1-2 gotas de Flow Improver a 10 gotas de pintura dentro de la copa del aerógrafo.</i>	Packaging: <i>Presentación:</i> 71.262 17 ml./0.57 fl.oz. 71.362 32 ml./1.08 fl.oz. 71.462 60 ml./2.02 fl.oz. 71.562 200 ml./6.76 fl.oz.
	Airbrush Cleaner Airbrush Cleaner is an indispensable product for cleaning the airbrush between colors. It not only eliminates rests of the color used, but at the same time lubricates the interior of the airbrush without damaging the mechanism.	<i>Limpiador Aerógrafo</i> <i>El Limpiador de Aerógrafo es imprescindible para la limpieza del aerógrafo. Elimina restos del color y lubrica los mecanismos del aerógrafo sin deteriorarlos.</i>	Packaging: <i>Presentación:</i> 71.099 85 ml./2.87 fl.oz. 71.199 200 ml./6.76 fl.oz.
	Airbrush Thinner Thinner for Model Air and Liquid Acrylic. Thinner is used to extend the colors, to increase fluidity and delay the drying time. We recommend the addition of a few drops of Thinner to the colors while airbrushing.	<i>Diluyente Aerógrafo</i> <i>Diluyente para Model Air y Liquid Acrylic. Diluye el color sin perder las cualidades de adhesión, dureza y consistencia. Aumenta la fluidez y transparencia de la pintura. Retrasa el secado dentro del mecanismo del aerógrafo.</i>	Packaging: <i>Presentación:</i> 71.261 17 ml./0.57 fl.oz. 71.061 32 ml./1.08 fl.oz. 71.361 60 ml./2.02 fl.oz. 71.161 200 ml./6.76 fl.oz.

Mediums

	Thinner Thinner for Model Color, Panzer Aces and Game Color. Thinner used to extend the colors, to increase fluidity and delay the drying time.	<i>Diluyente</i> <i>Diluyente para Model Color, Panzer Aces y Game Color. Diluye el color sin perder las cualidades de adhesión, dureza y consistencia. Aumenta la fluidez y transparencia de la pintura.</i>	Packaging: <i>Presentación:</i> 70.524 17 ml./0.57 fl.oz. 73.524 60 ml./2.02 fl.oz.
	Matt Medium Matt Medium extends the colors, increases their fluidity and transparency, and softens the blending of brush strokes. It heightens the flexibility of the colors, and their adhesion to the surface. Does not yellow or change tonality of the color. Can also be used as a binder for dry pigment.	<i>Medium Mate</i> <i>Mezclado con los colores aumenta la fluidez y transparencia, facilita difuminar las pinceladas, mejora la flexibilidad y su adhesión al soporte. No amarillea ni cambia de tonalidad. También se puede utilizar para mezclar con pigmentos.</i>	Packaging: <i>Presentación:</i> 70.540 17 ml./0.57 fl.oz. 73.540 60 ml./2.02 fl.oz.
	Gloss Medium Gloss Medium extends the colors, increases their fluidity and transparency, and softens the blending of brushstrokes. It heightens the flexibility of the colors, and their adhesion to the surface. Does not yellow or change tonality of the color. Can also be used as a binder for dry pigment.	<i>Medium Brillante</i> <i>Mezclado con los colores aumenta la fluidez y transparencia, facilita difuminar las pinceladas, mejora la flexibilidad y su adhesión al soporte. No amarillea ni cambia de tonalidad. También puede ser utilizado para mezclar con pigmentos en polvo.</i>	Packaging: <i>Presentación:</i> 70.470 17 ml./0.57 fl.oz. 73.470 60 ml./2.02 fl.oz.

Auxiliary Products/Productos Auxiliares

Mediums

	Metal Medium An acrylic medium formulated with mica, which can be mixed with acrylic colors to create an iridescent lustre or applied by itself for a silvery iridescent effect.	Medium Metálico Medium acrílico con mica, que se puede mezclar con los colores para crear reflejos nacarados o utilizar sólo para conseguir efectos plateados e iridiscentes.	Packaging: Presentación: 70.521 17 ml./0.57 fl.oz.
	Drying Retarder To delay drying time of Model Color, mix a few drops with the color, or dip brush into retarder on the palette. Colors will not change their consistency. Useful for "wet on wet" techniques and reducing skin formation on the palette.	Medium Retardante Retrasa el tiempo de secado de Model Color y otros colores acrílicos. Se emplea Medium Retardante mezclando unas gotas con los colores. También es útil para técnicas de "mojado sobre mojado" y para reducir la formación de piel en la paleta.	Packaging: Presentación: 70.597 17 ml./0.57 fl.oz. 73.597 60 ml./2.02 fl.oz.
	Pigment Glaze Medium A colorless glaze, used to mix with acrylic colors; improves fluidity, increases transparency, and slows drying time. Ideal for shadows, shadings, glazes and working with pigments.	Medium Veladuras Patina incolora que se emplea para veladuras de secado lento, también se emplea en técnicas que requieren un tiempo de secado retrasado. Ideal para efectos con pigmentos.	Packaging: Presentación: 70.596 17 ml./0.57 fl.oz. 73.596 60 ml./2.02 fl.oz.
	Pigment Binder Waterbased acrylic binder for pigments. Dries slowly, allows more time to manipulate pigment. Matt finish.	Fijador Pigmentos Fijador para pigmentos. De base agua. De secado lento. Proporciona más tiempo para manipular el pigmento. Acabado mate.	Packaging: Presentación: 26.233 35 ml./1.18 fl.oz.
	Brush Cleaner Cleaner for brushes which have been used with alcohol based paints (Liquid Gold, Supergold) and brushes which simply need a more thorough cleaning. Will not damage even the finest Kolinsky Sable brushes.	Limpiador Pinceles al alcohol Se emplea para limpiar pinceles que se han utilizado con pinturas a base de alcohol (Oros Líquidos) o para pinceles que necesitan una limpieza más profunda. No daña los pinceles de Marta, se puede utilizar con todo tipo de pinceles.	Packaging: Presentación: 28.900 85 ml./2.87 fl.oz.
	Brush Restorer Softens and restores all fine sable brushes used for watercolors, miniatures, silk painting, etc. Does not contain alcohol.	Restaurador de Pinceles Líquido para suavizar y restaurar pinceles, especialmente indicado para los pinceles de marta. No contiene alcohol.	Packaging: Presentación: 28.890 85 ml./2.87 fl.oz.

Auxiliary Products/Productos Auxiliares

Effect Mediums

	Crackle Medium Waterbased medium, used between two coats of paint to create a weathered effect, or as a final coat to create a transparent crackled surface.	Medium para craquelar <i>Un producto de base agua que se emplea entre dos capas de pintura o como capa final para un craquelado transparente. Utilizado para simular superficies envejecidas.</i>	Packaging: Presentación: 70.598 17 ml./0.57 fl.oz.
	Liquid Mask Liquid Mask is used to reserve areas which are to remain unpainted, especially in airbrush techniques, but also with watercolors and temperas. The product forms a protective film on the area which the artists does not want to paint. Once the work is dry, liquid mask is rubbed off with an eraser or piece of cloth, revealing the unpainted area.	Máscara Líquida <i>Máscara Líquida forma una película protectora sobre la zona del trabajo que se desea reservar. Se puede sobrepintar esta zona protegida, y una vez terminado el trabajo, se retira la máscara con el dedo, con un trapo de algodón o una goma de crepé.</i>	Packaging: Presentación: 70.523 17 ml./0.57 fl.oz. 28.851 32 ml./1.08 fl.oz. 28.850 85 ml./2.87 fl.oz.
	Decal Softener Decal Softener is a medium which protects the decal and smoothes its edges so that they blend with the surface of the model. Decal Softener also softens the decal to adapt it to surface details such as recessed lines, raised edges, screws or bolts. The amount of Decal Softener coats needed depends on the quality & thickness of the decal. Final varnish can be applied to the Decal if desired. <i>* Decal Softener contains alcohol and is flammable.</i>	Ablandador de Calcas <i>Decal Softener protege la calca y ablanda su soporte para que pueda adaptarse a la superficie del modelo. Al ablandar la calca, ésta se adapta a detalles de superficie de la maqueta como líneas de paneles, relieves, tornillos o remaches. La cantidad de capas de Ablandador de calcas utilizadas dependerá de la calidad y grosor de las mismas. De manera opcional podemos añadir una capa final de barniz sobre la calca si lo deseamos.</i> <i>* Decal Medium contiene alcohol y es inflamable.</i>	Packaging: Presentación: 73.212 17 ml./0.57 fl.oz.
	Decal Fix Decal Fix cleans and prepares the model surface before placing decals and wet transfers, improves adherence of the decal, and prevents formation of air bubbles without need for a previous coat of varnish. Apply Decal Fix with a soft brush on model surface, gently slide decal from its paper support and with a wet brush tip and place decal on the model, pressing down lightly with the brush to eliminate excess liquid and avoid air bubbles. Remember the result depends on the quality of the brand of decals.	Fijador de calcas <i>Decal Fix limpia y prepara la superficie del modelo antes de colocar sobre el mismo transfers húmedos y calcas, mejorando la adherencia de las mismas, previniendo la formación de burbujas y sin necesidad de barnizar previamente la superficie. Aplicaremos Decal Fix usando un pincel suave, deslizaremos la calca desde el papel soporte utilizando la punta de un pincel humedecido, hasta situarla en la zona deseada, presionando luego con el mismo para eliminar el exceso de producto y evitar burbujas. Debemos recordar que los resultados dependen de la calidad de la marca que comercialice las calcas.</i>	Packaging: Presentación: 73.213 17 ml./0.57 fl.oz.
	Plastic Putty A modelling paste which dries to a white, totally opaque, stone hard finish. It is used principally for rebuilding or restructuring models and miniatures, for textures and high reliefs.	Masilla Plástica <i>Se emplea principalmente en la elaboración y la reestructuración de modelos, trazado de relieves, decoración de superficies, reparación y restauración de maquetas.</i>	Packaging: Presentación: 70.400 17 ml./0.57 fl.oz. 70.401 (tube) 20 ml./0.67 fl.oz.
	White Stone Liner High density paste containing marble dust and titanium white. The product is packaged in a flexible plastic bottle with a fine nozzle for details. Dries to a white, totally opaque, stone hard finish which can be carved and sanded.	Pasta Piedra Blanca <i>Pasta de alta densidad de polvo de mármol y blanco de titanio. Se presenta en un frasco con aplicador fino para detalles. Secado rápido, opaco y duro. Puede ser lijado y esculpido. Si se desea una pasta más flexible, mezclar con Gel Extra Denso Transparente (26.535).</i>	Packaging: Presentación: 26.234 35 ml./1.18 fl.oz.

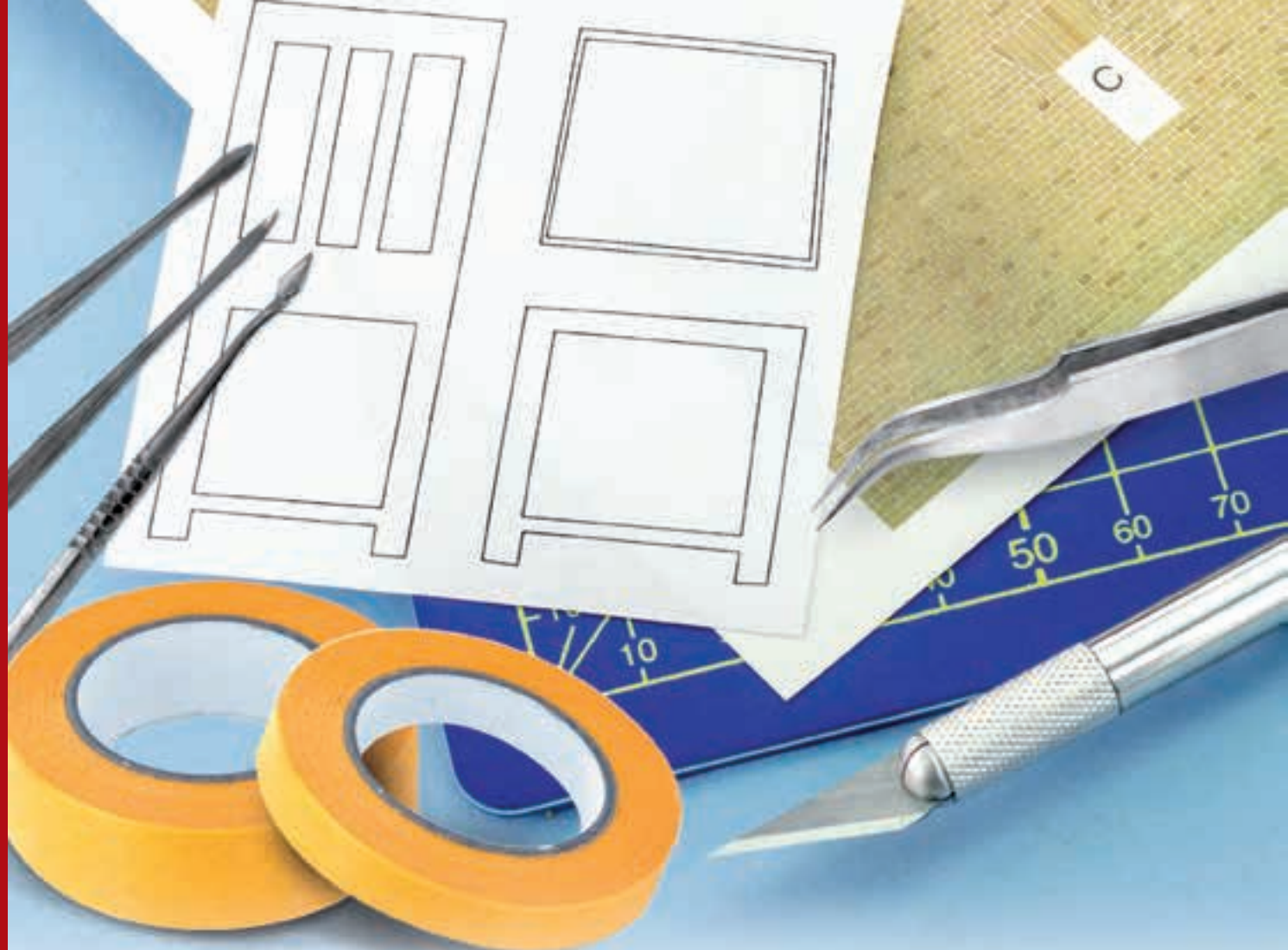
Auxiliary Products/Productos Auxiliares

Effect Mediums

	Chipping Medium New waterbased Medium to create flaked paint, scratches, and rust chips. Chipping Medium can be applied with airbrush or brush to create chipping effects with waterbased acrylic colors.	Medium de Desgaste Nuevo Medium de base agua, para la creación de roces, desgastes y desconchados. Chipping Medium se aplica con aerógrafo o pincel para crear efectos de desconchados con colores acrílicos de base agua.	Packaging: Presentación: 73.214 17 ml./0.57 fl.oz. 76.550 35 ml./1.18 fl.oz.
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Varnishes/Barnices

	Acrylic Gloss Varnish Waterbased acrylic varnishes with a new, quick drying formula, and an acrylic resin of extraordinary hardness and permanence. Protects painted models from dust and scratches, dirt and humidity.	Barniz Acrílico Brillante Barnices acrílicos de base agua, de nueva formulación de secado rápido y de una dureza y permanencia extraordinaria. Protege los modelos del polvo y del roce.	Packaging: Presentación: 70.510 17 ml./0.57 fl.oz. 26.517 60 ml./2.02 fl.oz. 28.517 500 ml./16.9 fl.oz.
	Acrylic Matt Varnish Waterbased acrylic varnishes with a new, quick drying formula, and an acrylic resin of extraordinary hardness and permanence. Protects painted models from dust and scratches, dirt and humidity.	Barniz Acrílico Mate Barnices acrílicos de base agua, de nueva formulación de secado rápido y de una dureza y permanencia extraordinaria. Protege los modelos del polvo y del roce.	Packaging: Presentación: 70.520 17 ml./0.57 fl.oz. 26.518 60 ml./2.02 fl.oz. 28.518 500 ml./16.9 fl.oz.
	Acrylic Satin Varnish Waterbased acrylic varnishes with a new, quick drying formula, and an acrylic resin of extraordinary hardness and permanence. Protects painted models from dust and scratches, dirt and humidity.	Barniz Acrílico Satinado Barnices acrílicos de base agua, de nueva formulación de secado rápido y de una dureza y permanencia extraordinaria. Protege los modelos del polvo y del roce.	Packaging: Presentación: 70.522 17 ml./0.57 fl.oz. 26.519 60 ml./2.02 fl.oz. 28.519 500 ml./16.9 fl.oz.
	Polyurethane Varnish Hybrid varnish formulated with an acrylic-urethane dispersion; for exceptional strenght and resistance to scratches. Permanent, dries rapidly. Applies easily with brush or airbrush. Product may irritate eyes and skin.	Barniz Poliuretano Barniz "híbrido" de acrílico y uretano. Proporciona una dureza y resistencia excepcional. Secado rápido. Permanente. Aplicar con pincel o aerógrafo. Puede irritar los ojos y la piel.	Packaging: Presentación: Brillante/Gloss 26.650: 60 ml./2.02 fl.oz. 27.650: 200 ml./6.76 fl.oz. Mate/Matt 26.651: 60 ml./2.02 fl.oz. 27.651: 200 ml./6.76 fl.oz. Satinado/Satin 26.652: 60 ml./2.02 fl.oz. 27.652: 200 ml./6.76 fl.oz.
	Acrylic Aerosol Varnish Quick protection for painted models. Take care not to apply until paint has dried completely. It is recommended to apply fine coats at approximately 30 minute intervals. Non toxic, does not contain CFC.	Barniz acrílico en Aerosol Barniz acrílico en Aerosol (de base agua). La aplicación en "spray" con Aerosol permite muchas capas finas, resultando en una protección extraordinaria para el trabajo. No tóxico, no contiene CFC.	Packaging: Presentación: Brillante/Gloss 28.530: 400 ml./13.52 fl.oz. Mate/Matt 28.531: 400 ml./13.52 fl.oz. Satinado/Satin 28.532: 400 ml./13.52 fl.oz.



Hobby Tools

Vallejo Hobby Tools, highest quality precision tools for hobby and miniatures

Vallejo Hobby Tools, herramientas de precisión para modelismo y hobby

EN Vallejo Hobby Tools offer a wide selection of highest quality precision tools, designed to cover all the needs of modelers and hobby fans. The tools are as useful for easy assembly as for the most complicated set up, and are indispensable in all quality modeling projects. Essential tools in stainless steel, such as special cutting knives; tools used for sanding and precise manipulation; tools for carving and sculpting; and a superior grade of masking tapes for the most intricate details.

Packaging:

The Vallejo Hobby Tools range is packaged in individual blisters.

ES Vallejo Hobby Tools ofrece una selección de herramientas de precisión ideales para cubrir todas las necesidades de modelistas y aficionados al hobby, facilitando tareas simples o complejas con el fin de conseguir acabados de calidad sobre cualquier proyecto. Herramientas esenciales de acero inoxidable, como las especializadas en corte, útiles para el lijado y la manipulación de alta precisión, herramientas de tallado y esculpido o bien cintas de enmascarar muy versátiles de excepcional calidad.

Presentación:

La gama Hobby Tools se presenta en blíster individual.





T01001

Set of 20 Drill Bits, 0.3-1.6 mm.
Set de 20 Minibrocas, 0.3-1.6 mm.

Twenty high Speed Steel metric drill bits, presented in a sliding top index storage dispenser, excellent for keeping the drills securely in place and dispenses one drill at a time.

Set de 20 minibrocas de alta velocidad en acero y medidas métricas indicadas. Incluye estuche con tapa deslizante indicando medida de la broca; excelente para guardar las brocas con seguridad, y dispensar la broca seleccionada.

Drill Sizes mm. / Medidas en mm.:
0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00, 1.20, 1.30, 1.40, 1.50, 1.60.



T01002

Set of 20 Drill Bits, Nº 61-80
Set de 20 Minibrocas, Nº 61-80

Drill Set-wire gauge – sizes in U.S. inches Including sliding top index storage dispenser. Twenty high speed steel drill bits with handy slide-top box that releases only chosen drill bit.

Set de 20 minibrocas de alta velocidad en acero y medidas USA (AWG). Incluye estuche con tapa deslizante, excelente para guardar las brocas con seguridad y dispensar únicamente la broca seleccionada.

Drill numbers / Calibres (AWG):
61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 78, 79, 80.



T02001

Set of 3 Stainless Steel Probes
Set de 3 Curetas Acero Inox.

A selection of 3 quality probes in storage wallet. These precision tools allow controlled scraping, shaping and forming work on models. The three profiles are also particularly useful when applying, spreading and filling materials such as clay, modelling compounds, putty, epoxy and wood filler.

Selección de 3 curetas. Estas herramientas de precisión permiten trabajar con exactitud tallando, modelando o retocando figuras y modelos. Sus tres cabezales son especialmente útiles en las aplicaciones precisas de materiales tales como arcilla, pastas de modelado, masilla, epoxi y relleno de madera o materiales de relleno sobre el modelo.



T02002

Set of 3 Stainless Steel Carvers
Set de 3 Curetas de Acero Inox.

A selection of 3 double ended quality carvers in storage wallet. These precision tools allow controlled carving, shaping and forming work on models prior to casting. The six head profiles are also particularly useful when applying, spreading and smoothing materials such as clay, modeling compounds, putty, epoxy and wood filler.

Selección de 3 curetas con doble cabezal. Estas herramientas de precisión permiten trabajar con exactitud tallando, modelando o retocando figuras y modelos. Sus seis cabezales son especialmente útiles en las aplicaciones precisas de materiales tales como arcilla, pastas de modelado, masilla, epoxi y relleno de madera o materiales de relleno sobre el modelo.



T03001

Set of 10 Needle Files
Set de 10 Limas de Aguja

10 different medium cut files. The medium cut files come in a handy wallet for easy storage. Excellent for general modeling use.

10 distintas secciones para limado. Este set de limas tiene una presentación en estuche que hace más fácil su manipulado y almacenamiento. Excelente para uso en modelismo en general.



T03002

Set of 5 Diamond Files
Set de 5 Limas de Diamante

The diamond needle file set includes 5 profiles, flat, square, round, half round and triangle. These 140mm tools are excellent for precise filing tasks in plastics and metals. Longer lasting and faster working than conventional files. Diamond files stay cooler and do not clog.

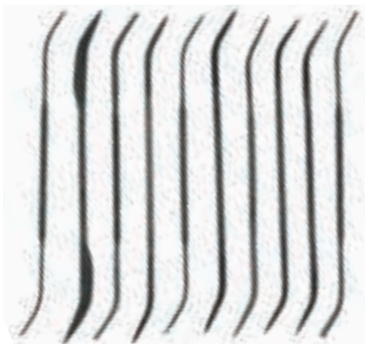
El set de limas de aguja de diamante incluye 5 secciones, plana, cuadrada, redonda, media caña y triangular. Estas herramientas de 140mm son excelentes en su función de limados de precisión sobre superficies de plástico o metal. Su capacidad abrasiva y su utilidad práctica son más eficaces que las que podemos encontrar en limas convencionales. Las limas de diamante no se calientan ni embotan su grano.

Hobby Tools

T03003

Set of 10 Curved Files Set de 10 Limas Curvadas

For reaching places not accessible with other needle files. Ideal for working on uneven surfaces. Although these are double ended files, they are still the same size as the needle files and are designed to have a very fine cutting surface with good sharp points. The shapes include flat, curved, round, triangular and knife.



Para trabajar zonas no accesibles con otras limas convencionales. Ideal para utilizarlas sobre superficies irregulares. A pesar de tratarse de un diseño de limas de doble extremo, conservan el tamaño de una lima de aguja convencional y han sido diseñadas para ofrecer una buena superficie de contacto así como puntos de lijado especialmente precisos. Los perfiles incluyen acabado plano, curvado, redondo, triangular y de cuchilla.

T03004

Set of 5 Mini Diamond Files Set de 5 Mini Limas de Diamante

5x100mm mini diamond file profiles for working on various shapes and contours. The mini diamond file set includes 5 profiles, flat, square, round, half round and triangle. These 100mm tools are excellent for the smaller more intricate modeling and filing tasks in plastics and metals. Diamond files stay cooler and do not clog.



El Set de 5 mini limas de diamante incluye varios perfiles, plano, cuadrado, redondo, media caña y triangular. Estas piezas de 100 mm. son excelentes para afrontar trabajos de precisión sobre reducidas superficies, moldeando y lijando las mismas, sean de metal o de plástico. No se calientan con el uso y no se embota el grano.

T06001

Modeling Saw Set with 4 Scalpels* Set de 4 Sierras de Modelismo con Mango Escalpelo*

The set includes 4 very fine saw blades (10 thou/0.24mm thick) and scalpel handle. Excellent for intricate sawing and cutting in plastics, wood and photo etched parts. Blades can fit all small size scalpel handles.



El set incluye 4 hojas de sierra ultrafinas de precisión de 10/0.24mm grosor y mango tipo escalpelo. Excelente para cortes de trazo complicado, sobre plástico, madera y latón (fotograbados). Las hojas pueden montarse en todos los soportes de mango tipo cutter o escalpelo.

* Not to be sold to persons under 18 years of age (18+). Keep blade out of reach of children and animals to avoid injury.
* Prohibida su venta a menores de 18 años (18+). Mantener fuera del alcance de niños o animales, puede provocar heridas.

Sets of 5 Blades*

Sets de 5 Cuchillas*

These blades work with various materials such as paper, card, plastic, balsa and foils and can be used for fine cuts, carving, and etching, piercing, scoring, scraping, scribing and trimming.

Estas cuchillas son efectivas sobre diversos materiales como papel, cartulinas, plástico, madera de balsa y lámina de aluminio, se pueden utilizar para cortes precisos, tallado y grabado, perforación, punteados, raspado, corte y recorte.



T06002
#10 Curved blades
#10 Cuchillas curvas



T06003
#11 Fine point blades
#11 Cuchillas de hoja recta



T06004
#17 Chisel Blades
#17 Cuchillas cincel



T06005
#68 Stencil Blades
#68 Cuchillas de recorte

* Not to be sold to persons under 18 years of age (18+). Keep blade out of reach of children and animals to avoid injury.
* Prohibida su venta a menores de 18 años (18+). Mantener fuera del alcance de niños o animales, puede provocar heridas.

T06006

Modeling Knife* Nº1 Cutter de Modelismo Nº1*

This aluminum handle includes the #11 blade for fine angle cuts, carving, etching, piercing, scoring, scraping, scribing and trimming. The slimness of the handle make it easy to grip and have complete control when working on various tasks. For model making, military modeling, plastic modeling and any other miniature projects. Vallejo offers a choice of knives and blades suitable for all modelers, hobbyists and professionals.

De mango torneado en aluminio, incluye cuchilla del Nº11, ideal para cortes de precisión, troquelados, grabado, perforación, punteado, raspado, corte y recorte. El mango ha sido diseñado para proporcionar una sujeción firme y permite un control total sobre las múltiples tareas posibles. De uso en modelismo militar, modelismo en plástico y muchos proyectos sobre miniaturas. Vallejo ofrece una selección de cutters y cuchillas adecuadas para todo tipo de modelismo y usos profesionales.



* Not to be sold to persons under 18 years of age (18+). Keep blade out of reach of children and animals to avoid injury.
* Prohibida su venta a menores de 18 años (18+). Mantener fuera del alcance de niños o animales, puede provocar heridas.

T06007

Deluxe Modeling Knife Nº1* Cutter Deluxe de Modelismo Nº1*

This aluminum soft grip slim handle comes with the #11 blade for fine angle cuts, carving, and etching, piercing, scoring, scraping, scribing and trimming. It features an inbuilt magnetic end for safely picking up blades and metal components. Perfect for crafters, hobbyists and professionals looking for control when working on precise tasks. Vallejo offers a choice of knives and blades suitable for all modelers, hobbyists and professionals.

De mango de aluminio con agarre de silicona suave, viene con hoja del Nº11 para cortes de ángulo preciso, tallado y grabado, trazado, perforación, raspado, trazado y recorte. Cuenta con un extremo magnético incorporado para sujetar con seguridad las cuchillas y los componentes metálicos. Perfecto para labores de artesanía, modelistas y profesionales que buscan un control total en sus tareas de precisión. Vallejo ofrece una selección de cutters y cuchillas adecuadas para todo tipo de modelismo y usos profesionales.



* Not to be sold to persons under 18 years of age (18+). Keep blade out of reach of children and animals to avoid injury.
* Prohibida su venta a menores de 18 años (18+). Mantener fuera del alcance de niños o animales, puede provocar heridas.

Hobby Tools

Set of 3 Flexi Sanders Dual-Grit

Set de 3 Flexi Sanders, Doble Grano

The flexi sanders are a set of 3 and are washable and reusable. They offer the following grade combinations:

- Coarse (60/100): Effective material removal.
- Medium (240/400): Blending and smoothing.
- Fine (600/1000): Finishing and polishing.

Set de tres tacos de lija de doble cara, lavables y reutilizables, que ofrece los siguientes combinaciones:

- Grueso (60/100): Para eliminar material de forma efectiva.
- Medio (240/400): Para suavizar y unificar.
- Fino (600/1000): Para acabados y pulidos.

Ref.	Description / Descripción	Size/Tamaño
T04001	Flexi Sanders Dual-Grit / Flexi Sanders, doble grano	90x19x6 mm.
T04002	Flexi Sanders Dual-Grit / Flexi Sanders, doble grano	90x19x12 mm.
T04003	Flexi Sanders Dual-Grit / Flexi Sanders, doble grano	80x30x6 mm.
T04004	Flexi Sanders Dual-Grit / Flexi Sanders, doble grano	80x30x12 mm.



Masking Tape

Cinta Enmascarar

Masking tape for model making, military modeling, plastic modeling and any miniature projects. No paint bleed or annoying paint lines. U.V. protected for masking in direct sunlight.

Packaging: 2 units per reference, except T07001, 1 unit.

Cinta de enmascarar de precisión para trabajos de enmascaramiento en aerografía, hobby, bellas artes y artes decorativas. Evita filtraciones de pintura o líneas de trazo sobre cualquier soporte. Resistente a los filtros ultravioleta permitiendo su uso con luz solar directa.

Presentación: 2 unidades por referencia, excepto T07001, 1 unidad.



T07002 1 mm. x 18 m. **T07003** 2 mm. x 18 m. **T07004** 3 mm. x 18 m. **T07005** 6 mm. x 18 m. **T07006** 10 mm. x 18 m. **T07001** 18 mm. x 18 m.

T09001

Spin Top Pin Vice

Double Ended

Portabrocas Manual Doble

Handy holder for drills, taps, pins etc. Includes: 2 reversible collets with capacities 0 to 1.2mm, and 1.3 to 2.4mm and 0.8 to 2.0mm, and 1.8-2.9mm. Incorporating swivel head for comfort and efficiency.

Portabrocas manual de doble cabezal para perforar, taladrar y marcar superficies. Incluye: 2 soportes reversibles de 0 a 1.2mm, de 1.3 a 2.4mm, de 0.8 a 2.0mm, y de 1.8-2.9mm. Cabezal giratorio para una mayor comodidad de uso y precisión.



T10001

Scriber

Grabador

Basic single ended scriber for marking and scraping. This precision scriber is designed for the modeling enthusiast. It is ideal for marking out in confined spaces, particularly on pre-machined work pieces. Also good for scraping tasks.

Punzón de punta simple para marcar y grabar. Este grabador de precisión está diseñado para los entusiastas del modelismo. Es ideal para trabajar en espacios reducidos, especialmente sobre piezas pre-mecanizadas. También resulta de utilidad en tareas de raspado.



Hobby Tools

T08001

Sprue & Photo Etch Cutter Alicates de Corte

This flush cutter is perfectly designed for precise and intricate cuts in compact places. Excellent for flush cuts in thin wire, photo-etched parts, soft metal and plastic. For general hobby and modeling applications.

Esta herramienta de corte está perfectamente diseñada para ofrecer cortes precisos y definidos. Excelente para cortes de precisión sobre alambre, partes de fotograbado, metal blando y plástico. Para uso general en hobby y modelismo.

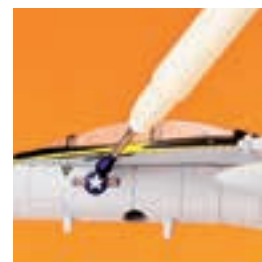


T12002

Pick Up Tool Herramienta Pick & Place

A pick up tool especially designed with impregnated silicone tip with the required tackiness for accurately picking up and placing of small components. For plastic model components, decals and other small components.

Esta herramienta está especialmente diseñada con una punta de silicona adherente para manipular y ubicar pequeñas piezas y componentes de modelismo o miniaturas. Para pequeñas piezas en plástico, calcas y otros elementos de reducido tamaño.

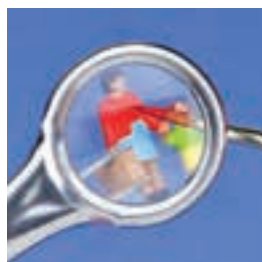


T12001

Tweezers with Magnifier Pinzas con Lupa

Super fine tweezers with 1.75x Magnifier are ideal for picking, holding and viewing very small parts and components. Also useful for removing tiny splinters and threading needles.

Estas pinzas de alta precisión con lupa de 1.75x aumentos, son ideales para sujetar, manipular y observar piezas de tamaño reducido y partes minúsculas. También son útiles para retirar pequeñas astillas o tornillos de aguja.

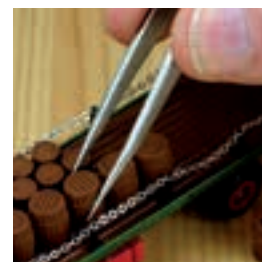


T12003

Fine Tweezers Pinzas de Precisión de Punta Recta

Fine tweezers, ideal for picking, holding and placing very small parts and components with great accuracy.

Estas pinzas finas son ideales para manejar, sujetar y colocar piezas y componentes muy pequeños con gran precisión.



T12004

Extra Fine Curved Tweezers Pinzas de Precisión de Punta Curva

Extra fine curved tweezers, ideal for reaching into awkward areas, picking, holding and placing very small parts and components with great accuracy.

Pinzas finas curvadas ideales para manejar, sujetar y colocar piezas y componentes muy pequeños con gran precisión incluso en zonas de difícil acceso.



T11001

Plastic Modeling Tool Set Set de Herramientas Básicas

A set for plastic modeling, military modeling and other hobby applications. Includes: Plastic sprue cutter, knife N°1, #11 blades (x5), cutting mat and flat file.

Set de herramientas básicas para modelismo en plástico y modelismo militar. Incluye: alicates de corte, cutter N°1, #11 cuchillas (x5), superficie de corte y lima plana.



Hobby Tools

26.003

Pipettes 3 ml./0.10 fl.oz.
Pipetas 3 ml./0.10 fl.oz.

Pipettes for mixing colors.
 The packaging contains 8
 units of 3 ml./0.10 fl.oz. each.

*Pipetas para mezclas. El
 embalaje contiene 8 pipetas
 de 3 ml./0.10 fl.oz. cada una.*



26.004

Pipettes 1 ml./0.03 fl.oz.
Pipetas 1 ml./0.03 fl.oz.

Pipettes for mixing colors.
 The packaging contains 12
 units of 1 ml./0.03 fl.oz. each.

*Pipetas para mezclas. El
 embalaje contiene 12 pipetas
 de 1 ml./0.03 fl.oz. cada una.*



26.000

Mixing Bottle
Frasco Mezclas

Graduated bottle of 35 ml./1.18 fl.oz.
 for mixing colors with more precision.

*Frasco graduado de 35 ml./1.18 fl.oz.
 para poder realizar mezclas más
 precisas.*



Plastic palette

Pocillos de plástico

Plastic palettes for mixing colors.

Paletas de plástico para mezclar los colores.



26.005

Airbrush Cleaning Pot
Estación de Limpieza

Airbrush cleaning pot, glass with
 plastic lid, used to spray-clean
 airbrush. The airbrush is inserted into
 the opening of the plastic lid and is
 cleaned by spraying Vallejo Airbrush
 Cleaner #71.099 or water into the
 container.

*Tarro de cristal con tapa de plástico
 para la limpieza del aerógrafo. El aire
 que atraviesa el filtro quedará limpio
 y el agua sucia se depositará en el
 tarro. El aerógrafo se introduce en la
 apertura de la tapa de plástico y se
 limpia pulverizándolo con Limpiador
 de Aerógrafo Vallejo, Ref. 71.099 o
 agua en el interior del tarro.*



26.006

Ultrasonic Cleaning Device
Limpiador por Ultrasonidos

Stainless Steel container, ideal for the thorough cleaning of airbrushes and
 painting tools, it removes the most resistant traces of paint and dirt, and
 maintains airbrushes and tools in perfect condition. Includes instructions.
 Liquid Capacity 600 ml./20.28 fl.oz. The ultrasonic cleaner is equipped with a
 connection to European alternate current (AC220). For use in the UK or USA, an
 adaptor and transformer are needed (not included with the product).

*Recipiente de acero inoxidable ideal para
 limpieza en profundidad de aerógrafos y
 herramientas de mano. Elimina los restos
 de pintura y suciedad incrustados, y
 mantiene el aerógrafo y las herramientas
 impecables. Instrucciones de uso incluidas.
 Capacidad líquida 600 ml./20.28 fl.oz. El
 limpiador de ultrasonidos viene equipado
 para su conexión a la corriente alterna de
 tipo europeo AC220. Para su uso en USA
 o en UK se deberá utilizar un adaptador
 de corriente y un transformador para la
 conexión a la red, no incluidos en el mismo.*



Vallejo Brushes

Vallejo brushes for models and miniatures. Toray and superior quality Kolinsky Sable brushes made in Europe. Varnished wooden handles, nicked brass ferrules and protective cap.

Pinceles Vallejo para modelismo de Toray y de Marta Kolinsky de calidad superior. Mango de madera barnizado. Con virola niquelada sin costura y tapa de protección.



RK25
Finest Kolinsky
Tajmyr Sable
Marta Kolinsky Tajmyr

Finest red sable brush for watercolor & miniatures (packaging of 3 units).

El mejor pincel de Marta para acuarela y miniaturas (embalaje de 3 uds).

Size/tamaño: #4/0-3/0-2/0-0-1-2



P18
Kolinsky Sable
Marta Kolinsky

Red sable brush for watercolor & miniatures (boxes of 12 units).

Pincel de Marta para acuarela y miniaturas (cajas de 12 uds).

Size/tamaño: #10/0-5/0-4/0-3/0-2/0-0-1-2-3-4-5-6-7-8



P54
Round Toray
Redondo Toray

Toray brush for watercolor & miniatures (boxes of 12 units).

Pincel de Toray para acuarela y miniaturas (cajas de 12 uds).

Size/tamaño: #10/0-5/0-4/0-3/0-2/0-0-1-2-3-4-5-6-7



P15
Round Toray
Redondo Toray

Toray Brush with triangular handle for watercolor & miniatures (boxes of 12 units).

Pincel de Toray con mango triangular. Para acuarela y miniaturas (cajas de 12 uds).

Size/tamaño: #3/0-2/0-0-1-2-3



PM05
Dry Flat Rectangular
Plano Carrado

Top quality synthetic brushes with graduated filament, absorbent, durable and versatile (boxes of 12 units).

Pincel pelo de Toray graduado de calidad superior. Mango corto de madera barnizado color plata (cajas de 12 uds).

Size/tamaño: #2-4-6-8-10-12



PF20
Camel Hair
Pelo de Pony

Camel hair brush for all purposes (boxes of 12 units).

Pincel pelo de pony multiuso (cajas de 12 uds).

Size/tamaño: #1-2-3-4-5-6-7-8-9-10-11-12





Art. P54.998
Detail Set (Round Toray)

3 Toray brushes for models & miniatures #4/0, 3/0, 2/0.
3 pinceles Toray para modelos y miniaturas #4/0, 3/0, 2/0.



Art. P54.999
Painter Set (Round Toray)

3 Toray brushes for models & miniatures #0, 1, 2.
3 pinceles Toray para modelos y miniaturas #0, 1, 2.



Art. RK25.998
Painter Set Finest Kolinsky Tajmyr Sable

3 finest Marta Kolinsky Sable brushes for models and miniatures #0, 1, 2.
3 pinceles de Marta Kolinsky para modelos y miniaturas #0, 1, 2.



Art. RK25.999
Detail Set Finest Kolinsky Tajmyr Sable

3 finest Marta Kolinsky Sable brushes for models and miniatures #4/0, 3/0, 2/0.
3 pinceles de Marta Kolinsky para modelos y miniaturas tamaño #4/0, 3/0, 2/0.



Art. P15.999
Starter Set Toray

3 Toray brushes; Round 3/0 with triangular handle, 1 Round nº1 and 1 Flat Dry Brush nº4.
3 pinceles Toray; 1 Pincel Redondo con mango triangular nº3/0, 1 Pincel Plano Carrado nº4 y 1 Pincel Redondo nº1.

Paint Stand

The perfect solution for storing Vallejo colors

La solución para organizar los colores de Vallejo



Art. 26.007

Front Module/Modulo Frontal

Front Model Paint Stand: The perfect solution for storing Vallejo colors. This model has space for 52 bottles of Vallejo Colors in 17 ml./0.57 fl.oz. size, together with 8 bottles of 35 or 60 ml./2.02 fl.oz. and 22 brushes. Easy assembly, does not require glue.

La solución para organizar los colores de Vallejo. El modulo frontal permite exponer 52 botellas de 17 ml./0.57 fl.oz., junto con 8 botellas de 35 o 60 ml./2.02 fl.oz. y 22 pinceles. De fácil montaje, no requiere pegamento.

Wide/Ancho: 13,40 in./34 cm.
Deep/Profundidad: 8,75 in./22,3 cm.
High/Altura: 4,30 in./11 cm.



Paint Stand



Art. 26.008

Corner Module/Modulo Esquinero

The perfect solution for storing Vallejo colors. This corner model has space for 28 bottles of Vallejo Colors in the 17 ml./0.57 fl.oz. size, together with 16 bottles of 35 or 60 ml./2.02 fl.oz., one 200 ml./6.76 fl.oz. bottle and 26 brushes. Easy assembly, does not require glue.

La solución para organizar los colores de Vallejo. El modulo lateral permite exponer 28 botellas de Model Color de 17 ml./0.57 fl.oz. junto con 16 botellas de 35 o 60 ml./2.02 fl.oz., 1 frasco de 200 ml./6.76 fl.oz. y 26 pinceles. De fácil montaje, no requiere pegamento.

Wide/Ancho: 10,60 in./27 cm.
Deep/Profundidad: 10,60 in./27 cm.
High/Altura: 4,30 in./11 cm.

Art. 26.009

Wall Mounted Paint Display Expositor de pared (35/60 ml./2.02 fl.oz.)

The perfect solution for storing Vallejo colors. This model has space for 28 units of Weathering Effects, Pigments, Washes, Metal Color and Primers in either 35 ml./1.18 fl.oz. or 60 ml./2.02 fl.oz. bottles. The tilted design does not require glue and is easy to assemble.

La solución perfecta para organizar los colores de Vallejo. Este módulo dispone de 28 espacios para organizar Weathering Effects, Pigmentos, Lavados, Metal Color e Imprimaciones, de 35 o 60 ml./2.02 fl.oz. De fácil montaje, no requiere pegamento.

Wide/Ancho: 15,35 in./39 cm.
Deep/Profundidad: 2,04 in./5,2 cm.
High/Altura: 12,20 in./31 cm.



Art. 26.010

Wall Mounted Paint Display Expositor de pared (17 ml./0.57 fl.oz.)

The perfect solution for storing Vallejo colors. This model has space for 43 Model Air, Model Color, Game Air or Game Color in 17 ml./0.57 fl.oz. bottles. The tilted design does not require glue and is easy to assemble.

La solución perfecta para organizar los colores de Vallejo. Este módulo dispone de 43 espacios para organizar Model Air, Model Color, Game Air or Game Color, de 17 ml./0.57 fl.oz. De fácil montaje, no requiere pegamento.

Wide/Ancho: 15,35 in./39 cm.
Deep/Profundidad: 2,04 in./5,2 cm.
High/Altura: 12,20 in./31 cm.



Publications/Publicaciones

Art. 75.010

Ángel Giráldez Masterclass vol. 2



We are pleased to present Ángel Giráldez's second Vallejo figure painting manual, Painting Miniatures from A to Z (Masterclass Volume 2), complementary to the first volume.

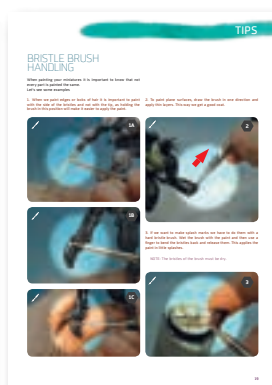
This present volume explains new techniques and tips through hundreds of pictures of the painting process, which will help painters to continually improve their miniature painting skills.

The Masterclasses section includes tutorial guides about how to paint all the different Infinity armies, in addition to detailing which colors Ángel used to paint the official Infinity color patterns.

If you are a fan of the Infinity universe, or if you are a painter who wants to improve, then this new volume will be an illuminating resource.

So take your paints and brushes, and enjoy alongside Ángel this new step of the miniature painting hobby world.

154 pages.



Art. 75.002

Airbrushing and Weathering Techniques by Rob Ferreira (Scratchmod)

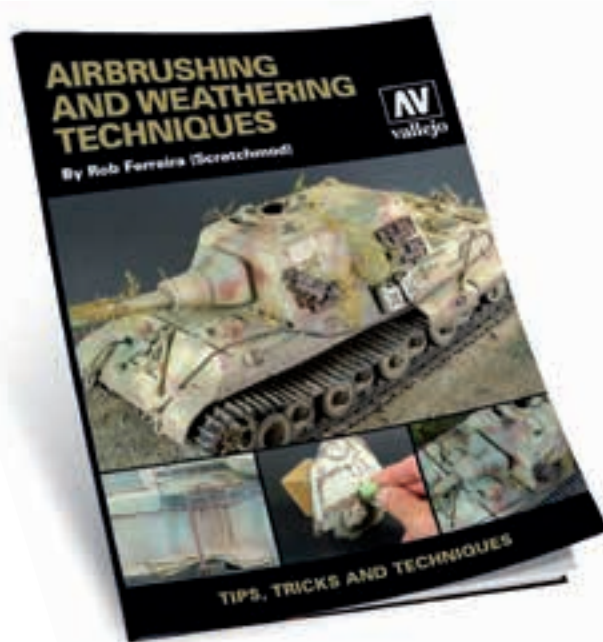


Times have changed in the hobby of model building and painting, most modelers are now starting out using only waterbased acrylics. This guide covers the uses of acrylic colors, with the focus mainly on Acrylicos Vallejo, pioneers in this field.

The intention is to share the experience in using acrylics with all model painters, whether they are just starting out or switching over from solvent based paints.

The information in this book is the result of nearly twenty years working with Vallejo acrylic colors and auxiliary products and is meant to be used as a guide and reference.

204 pages.



Art. 75.005

The Rise of Fantasy by Juan J. Barrena (JJ)

Practical guide and introduction to the creation of fantasy scenes. This book contains step by step instructions on how to paint a figure and the transformation of the figures, as well as the composition of the backgrounds, with points on highlighting the various elements of the composition, and on the portrayal of water, land, wood and rusted metal and general scenery. 112 pages.

Guía práctica para introducirse en la realización de viñetas de fantasía. Con explicaciones paso a paso de como pintar una figura, componer una escena, criterios para iluminar los diversos elementos de una composición, realización de agua, terrenos, maderas, metales oxidados, transformaciones de figuras, etc. 112 pages.



Art. 75.006

FC Modeltips

Focused on easy tips and tricks for modeling paint techniques than can be as handy for beginners as for experienced modelers, saving time in the painting and weathering processes, and getting the most professional and realistic results.

In discussions with other modelers, we almost always arrive at the same question: how many models can you finish in a year? Some mention the time needed to finish just a few models per year, others talk about the several months invested just to see one model completed, but most of them were talking about the difficulty of a complete and complex weathering process, the many hours invested in looking for the real finish, the real final effects. The intention of this book is to share with other modelers a collection of very easy techniques, some useful and well known, some completely original, all with the purpose of making the process of painting and weathering a model easier and faster, and above all, enjoyable, so that the modeler can go on to the next project, just for fun, just for the joy of modeling, the pleasure of achieving the most realistic replica of the original in its place and time. 120 pages.



Publications/Publicaciones

Art. 75.011

Rust & Chipping

A new publication by Acrylicos Vallejo, showing the modeler an approach to the painting and aging processes on all types of vehicles in a state of wear, abandonment and destruction, as interpreted by the modelers Scratchmod Rob, Mike Rinaldi, Virgil Suarez, John Tolcher, Adam Wilder and Chema Cabrero. The book Includes step by step instructions by each author, with a foreword by Mike Rinaldi. 100 pages.

Una nueva publicación de Acrylicos Vallejo, mostrando al modelista una aproximación a los procesos de pintura y envejecido sobre todo tipo de vehículos en estado de abandono, destrucción o desgaste, bajo la interpretación de modelistas como Scratchmod Rob, Mike Rinaldi, Virgil Suarez, John Tolcher, Adam Wilder y Chema Cabrero. Incluye paso a paso por parte de cada autor. Prólogo de Mike Rinaldi. 100 pages.



DVD AFV Acrylic Techniques

For all who desire to use only waterbased acrylic products for their models, this DVD by Miguel Jimenez wil explain all the details, all the tricks and methods to achieve the best results with our colors. In English with Spanish subtitles.

Para todos aquellos que desean utilizar exclusivamente acrílicos de base agua para sus maquetas, este DVD realizado por Miguel Jimenez nos explica con detalle todos los trucos y métodos para conseguir un resultado inigualable con nuestros colores. En inglés con subtítulos en español.

Ref. 75.000 Pal System

Ref. 75.001 NTSC System



Accessories/Accesorios

Hand painted color charts/Cartas de color pintadas a mano



Art. CC970
Model Color



Art. CC971
Model Air



Art. CC972
Game Color
& Game Air



Art. CC989
Diorama Effects

Printed color charts/Cartas de color impresas



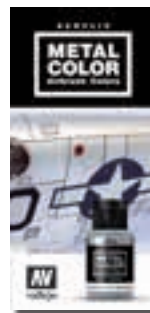
Art. CC070
Model Color



Art. CC071
Model Air



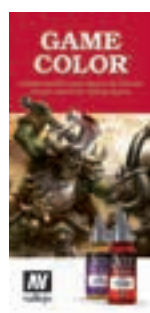
Art. CC088
Pigments



Art. CC069
Metal Color



Art. CC095
Model Wash



Art. CC072
Game Color



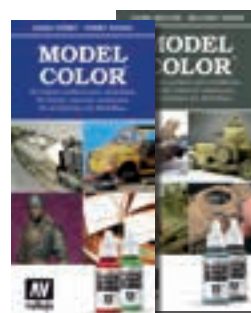
Art. CC067
Weathering Effects



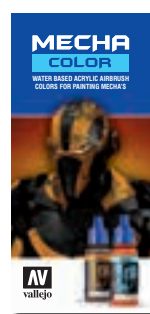
Art. CC082
Game Air



Art. CC066
Diorama Effects



Art. CC068
Model Color Hobby
& Military range



Art. CC065
Game Color



Art. CC077
Panzer Aces



Art. CC111
Hobby Tools



Art. CC081
Premium Color

Displays/Expositores



Wide/Ancho: 24,80 in./63 cm.
Deep/Profundidad: 12,99 in./33 cm.
High/Altura: 76,96 in./195,5 cm.

EX108

Model Color Complete Range and other product combinations

The new lower Model Color rack allows including extra shelves for other product sizes. With three extra shelves the customer can add, for example, a range like Panzer Aces (17 ml./0.57 fl.oz.) or 35 ml./1.18 fl.oz. or 60 ml./2.02 fl.oz. bottles, so it's possible to make different product combinations.

La nueva parte inferior de Model Color permite añadir tres bandejas adicionales para otros formatos de producto. Se pueden añadir tres bandejas de 17 ml./0.57 fl.oz., incluir la gama de Panzer Aces o tres estanterías para botellas de 35 ml./1.18 fl.oz. o 60 ml./2.02 fl.oz.



EX124/EX124FULL

Model Color Hobby Range

Countertop display unit. Contains 80 colors in 17 ml./0.57 fl.oz. bottles.
Expositor sobremesa. Contiene 80 colores en botellas de 17 ml./0.57 fl.oz.

Wide/Ancho: 19,88 in./50,5 cm.
Deep/Profundidad: 10,04 in./25,5 cm.
High/Altura: 29,52 in./75 cm.



EX132/EX132 FULL
Model Color Military Range

Countertop display unit. Contains 80 colors in 17 ml./0.57 fl.oz. bottles.
Expositor sobremesa. Contiene 80 colores en botellas de 17 ml./0.57 fl.oz.

Wide/Ancho: 19,88 in./50,5 cm.
Deep/Profundidad: 10,04 in./25,5 cm.
High/Altura: 29,52 in./75 cm.

Displays/Expositores

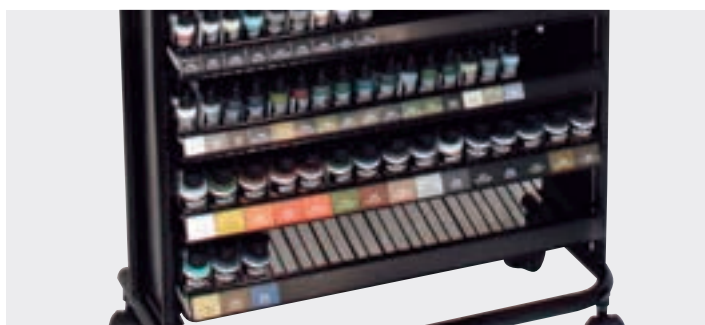
EX141

Model Air Complete Range and other product combinations

The new lower Model Air rack allows for the addition of two extra shelves for other product sizes. You can include 2 extra shelves for 17 ml./0.57 fl.oz. bottles and add, for example, a range like Panzer Aces or 3 extra shelves for 35 ml./1.18 fl.oz. or 60 ml./2.02 fl.oz. bottles so it is possible to make different product combinations. *La nueva parte inferior de Model Air permite añadir 2 bandejas adicionales para otros formatos de producto. Por ejemplo puede añadir 2 bandejas de 17 ml./0.57 fl.oz. o la Gama Weathering 40 ml./1.35 fl.oz. (28 ref.), Pigmentos 35 ml./1.18 fl.oz. (24 ref.), Metal Color 32 ml./1.08 fl.oz. (19 ref.), Model Wash 35 ml./1.18 fl.oz. (18 ref.) e Imprimitaciones 60 ml./2.02 fl.oz. (17 ref.).*

Wide/Ancho: 24,80 in./63 cm.
Deep/Profundidad: 12,99 in./33 cm.
High/Altura: 76,96 in./195,5 cm.

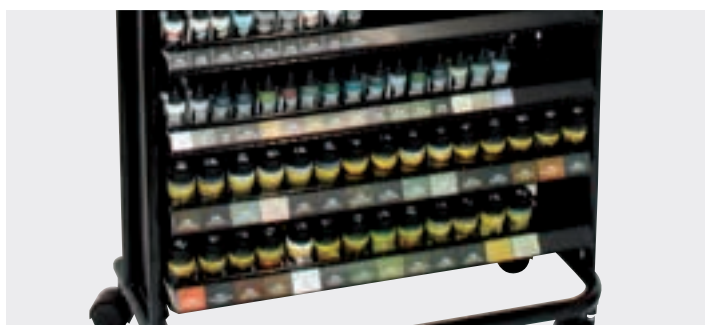
Model Air + Model Wash (EX141Full + EX145Full)



Model Air + Metal Color (EX141Full + EX121Full)



Model Air + Weathering Effects (EX141Full + EX707Full)



Model Air + Pigments (EX141Full + EX130Full)



Displays/Expositores



EX703/EX703 FULL Panzer Aces

Complet range in countertop display.
Contains 48 colors in 17 ml./0.57 fl.oz. bottles.

*Gama completa en expositor sobremesa.
Contiene 48 colores en botellas de 17 ml./0.57 fl.oz.*

Wide/Ancho: 19,88 in./50,5 cm.
Deep/Profundidad: 10,04 in./25,5 cm.
High/Altura: 21,26 in./54 cm.



EX710/EX710FULL Metal Color

Contains 19 Metal Color in 32 ml./1.08 fl.oz. bottles.

Contiene 19 Metal Color en 32 ml./1.08 fl.oz.

Wide/Ancho: 17,44 in./44,3 cm.
Deep/Profundidad: 12,08 in./30,7 cm.
High/Altura: 16,02 in./40,7 cm.



EX711/EX711FULL Surface Primers

Contains 18 references in 60 ml./2.02 fl.oz. bottles.

Contiene 18 refs de 60 ml./2.02 fl.oz.

Wide/Ancho: 17,44 in./44,3 cm.
Deep/Profundidad: 12,08 in./30,7 cm.
High/Altura: 16,02 in./40,7 cm.



EX122/EX122 FULL Complete Game Color

Countertop display. Contains 128 colors in 17 ml./0.57 fl.oz. bottles.

Expositor sobremesa. Contiene 128 colores en botellas de 17 ml./0.57 fl.oz.

Wide/Ancho: 19,88 in./50,5 cm.
Deep/Profundidad: 10,23 in./26 cm.
High/Altura: 43,30 in./110 cm.



EX702/EX702 FULL Basic Game Color

Countertop display. Contains 48 colors in 17 ml./0.57 fl.oz. bottles.

Expositor sobremesa. Contiene 48 colores en botellas de 17 ml./0.57 fl.oz.

Wide/Ancho: 19,88 in./50,5 cm.
Deep/Profundidad: 10,23 in./26 cm.
High/Altura: 21,26 in./54 cm.



EX706/EX706 FULL Game Air

Contains 64 colors in 17 ml./0.57 fl.oz. bottles, boxes of 6.

Contiene 64 colores en botellas de 17 ml./0.57 fl.oz. en cajas de 6 unidades.

Wide/Ancho: 19,88 in./50,5 cm.
Deep/Profundidad: 9,05 in./23 cm.
High/Altura: 22,04 in./56 cm.

Displays/Expositores



EX713/EX713FULL

Pigments

Contains 23 pigments and 1 auxiliary in 35 ml./1.18 fl.oz. bottles.

Contiene 23 pigmentos y 1 producto auxiliar, en tarros de 35 ml./1.18 fl.oz.

Wide/Ancho: 17,44 in./44,3 cm.

Deep/Profundidad: 12,08 in./30,7 cm.

High/Altura: 17,91 in./45,5 cm.



EX714/EX714FULL

Weathering Effects

Contains 28 Weathering Effects in 40 ml./1.35 fl.oz. bottles.

Contiene 28 Weathering Effects en botellas de 40 ml./1.35 fl.oz.

Wide/Ancho: 17,44 in./44,3 cm.

Deep/Profundidad: 12,08 in./30,7 cm.

High/Altura: 17,91 in./45,5 cm.



EX712/EX712FULL

Model Wash

Contains 18 Model Wash and 2 mediums, in 35 ml./1.18 fl.oz. bottles.

Contiene 18 Model Wash y 2 médiums, en botellas de 35 ml./1.18 fl.oz.

Wide/Ancho: 17,44 in./44,3 cm.

Deep/Profundidad: 12,08 in./30,7 cm.

High/Altura: 16,02 in./40,7 cm.



EX715/EX715FULL

Mecha Color

Contains 80 colors in 17 ml./0.57 fl.oz. bottles, boxes of 6 units.

Contiene 80 colores en botellas de 17 ml./0.57 fl.oz. en cajas de 6.

Wide/Ancho: 19,88 in./50,5 cm.

Deep/Profundidad: 10,04 in./25,5 cm.

High/Altura: 29,52 in./75 cm.



EX120/EX120FULL

Premium RC Color

Contains 60 colors in 60 ml./2.02 fl.oz. bottles, boxes of 6 units.

Contiene 60 colores en botellas de 60 ml./2.02 fl.oz. en cajas de 6.

Wide/Ancho: 20,86 in./53 cm.

Deep/Profundidad: 9,84 in./25 cm.

High/Altura: 34,25 in./87 cm.



EX131/EX131 FULL

Diorama Effects

Contains 20 references in 200 ml./6.76 fl.oz. bottles.

Contiene 20 refs de 200 ml./6.76 fl.oz.

Wide/Ancho: 17,44 in./44,3 cm.

Deep/Profundidad: 12,08 in./30,7 cm.

High/Altura: 29,13 in./74 cm.

HOW TO USE Water Textures

Still Water #26.230 is perfect for pools and brooks, but can also be used as a base to provide a sense of depth. A final layer of Transparent Water #26.201 can be applied on the top of a lake filled with Still Water to create waves or the appearance of a moving current. All the Water Textures can be further tinted with low viscosity colors.

Still Water #26.230, es idóneo para crear charcos y pequeños riachuelos, también se puede emplear como base para obtener una sensación de profundidad. Sobre la superficie de la base se puede aplicar una capa de Transparent Water #26.201, para reproducir olas, ondas y corriente en movimiento. Todos los productos se pueden mezclar y combinar entre sí.

by José Brito



- For this project we will use a picture frame and a piece of heat isolation foam. The depression made by the wood frame is ideal to keep the water in place.
Para este proyecto usaremos un marco de foto y espuma de poliestireno. El espacio interior es ideal para mantener el agua.



- Once the river bank is carved and ready for the painting/ weathering process. At this point we can add some more architectural items or urban furniture.
Después de darle forma a la espuma podemos añadir algunos elementos de arquitectura y empezaremos el proceso de pintura y envejecido.



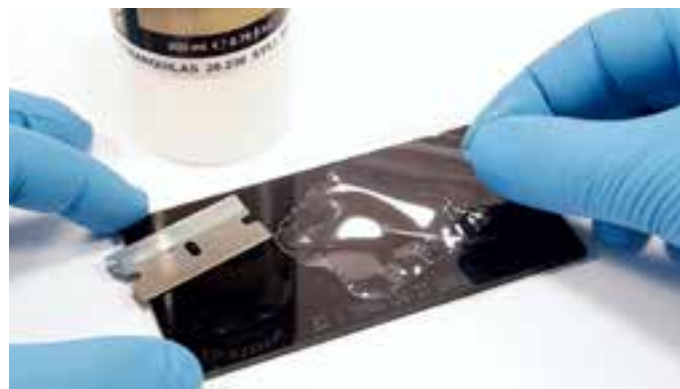
- The river bottom is airbrushed with Black Primer #73.602.
Aerografiamos el margen del río con imprimación Negro #73.602.



- Next step is airbrushing Surface Primer #73.607 & Model Air #71.137 in a random way. This will add the natural look to our river bottom. The items in the water must have the same treatment and we must not forget the variation of the tides.
Aerografiamos con imprimación #73.607 y Model Air #71.137 de forma aleatoria. Los elementos de arquitectura en el agua también deben tratarse de la misma forma y no debemos olvidar las variaciones de color de la marea.



- The mix of Still Water & Surface Primer #73.607 must be 50/50 and well mixed in a small cup. Once mixed, all we have to do is pour it slowly into our river base. This is an auto levelling product, so all we have to do is place the diorama in a flat base, while drying.
Se mezcla 50/50 Still Water e imprimación #73.607 en un vaso. Una vez mezclado se echa en la base. Still Water es autonivelante, por lo tanto y mientras se seca, tendremos que colocar el diorama en una superficie plana.



- At this moment we can start making the falling water. This is extremely easy and we will need an ultra-flat and clean surface. Still Water is poured into the glass and let it dry for 24 hours. Then, gently peel off the Still Water with the help of a blade.
Para hacer la cascada necesitaremos una superficie lisa y plana de plástico. Echamos Still Water sobre las piezas y la dejamos secar 24hs. Una vez seco, cortaremos una tira con la ayuda de una cuchilla.



- 7** We can cut a small strip and glue it into the desired place with the help of Still Water. *Colocamos la tira en el lugar deseado con un pincel y un poco de Still Water como adhesivo.*



- 8** The final water layer is just Still Water poured directly from the jar. This final layer will add the extra touch of accuracy and will look extremely natural. The shine is just amazing and it looks like real water. *Aplicamos una última capa sin mezclar de Still Water directamente sobre el diorama. Esta última capa es para añadir un aspecto más natural, así lograremos un brillo espectacular y un gran realismo.*



- 9** While Still Water is not fully dry, we can add vegetation, fishes, trash. Once the water layer is fully dry, the items will be strongly glued in place. Even after the layer is fully dry, we can still add more vegetation or any kind of items, using Still Water as glue. *Mientras Still Water está húmedo podemos añadir vegetación, peces, basura, etc...Una vez seco, los elementos quedaran fijados a la superficie y además podemos seguir colocando elementos usando Still Water como pegamento.*



- 10** During the drying period, we must cover the diorama. Just to avoid the dust particles. *Durante el proceso de secado podemos cubrir el diorama para evitar partículas de suciedad.*



- 11** The final touch of realism is adding the waves caused by the falling water. This is extremely easy to achieve and all we have to do is apply Transparent Water #26.201. A medium size round brush is ideal for this task. Also, for the effects of foam, the product Foam #26.231 is applied to the bottom of the water fall. *Para añadir más realismo al diorama, podemos aplicar con pincel alrededor Transparent Water #26.201 y Foam #26.231, simulando olas y efectos de espuma en la base del chorro de agua.*

HOW TO USE Metal Color

Metal Color is a range of waterbased metallic colors, especially designed for airbrushing, which can be applied directly on models without the need for the use of a primer.

Metal Color es una gama de colores metálicos de base agua, especialmente diseñados para aerografía, se puede aplicar directamente sobre la maqueta sin necesidad de una imprimación previa aunque es aconsejable.



1 The model is primed lightly, so as not to cover the details, with the Vallejo Surface Primer 74.601, diluted at 60% with Airbrush Thinner 71.161.
Se imprima el modelo ligeramente para no tapar los detalles con Vallejo Surface Primer 74.601, diluido con Airbrush Thinner 71.161 al 60%.



2 On this primer Metal Color Aluminum 77.701 is then applied, in light coats. The drying time between coats should be approximately 10 minutes.
Sobre dicha imprimación se aplica, en ligeras capas, la referencia Aluminio 77.701. El tiempo de secado entre capa y capa es de 10 minutos aproximadamente.



3 The finish should be homogenous. Metal Color has a very realistic metallic look. After drying for about an hour, the model can be manipulated without any problems.
El acabado debe ser homogéneo. Metal Color ofrece un aspecto metálico muy realista. Transcurrida una hora de secado, se puede manipular el modelo sin problema alguno.



4 After masking various panels, the model can be painted with different colors and mixtures of Metal Color to mark the contours of the panels and registers. In this case the colors are Dark Aluminum 77.703, Dull Aluminum 77.717 and Steel 77.712.
Tras enmascarar diversos paneles, se puede pintar con distintos tonos y mezclas de Metal Color, Aluminio Oscuro 77.703; Aluminio Mate 77.717; Acero 77.712, para resaltar paneles y registros. En este caso es conveniente utilizar una presión con el aerógrafo de 1,5 bar.



5 It is important to remember the concept of highlights and shadows on some of the components, this creates the concept of volume.
No se debe olvidar el concepto de iluminación y sombreado en algunos componentes de cierto tamaño, creando una sensación de volumen con las transiciones.



6 The extra gasoline tank can be primed with Surface Primer Gloss Black 77.660, undiluted and used directly from the bottle.
El depósito adicional de gasolina se puede imprimir con Surface Primer Gloss Black, directamente del bote y sin diluir, para conseguir un mayor brillo.



7 The fuel tank was painted with Metal Color Silver 77.724, achieving a perfect shine. The axle of the propeller has also been painted with Silver 77.724.
El depósito pintado en Metal Color Plata 77.724, con un brillo perfecto. El buje de la propeller hélice también se ha pintado en Silver 77.724.



8 In some places it is necessary to insist on the shadow effects, such as in the area of the joints of the wings and fuselage.
En algunas zonas se debe insistir más sobre el efecto de sombreado, como en la zona del encastre de las alas y el fuselaje.



9 The effects of volume and the variety of color on the covers and the registers provide additional interest to the model. The different shades of Metal Color can be mixed with one another to easily obtain yet more color variations.
Los efectos de volumen y la variedad de los tonos y matices en tapas y registros aportan un interés adicional al modelo. Las referencias de Metal Color pueden mezclarse entre sí sin problema para obtener nuevos matices.



- 10** The lower part of the model is now the object of attention, and volume and shadows are created by working with the colors.
La parte inferior del modelo recibirá también toda nuestra atención, con un trabajo de pintura creando efectos de volumen así como sombreados.



- 11** The result must be realistic and logical. When all the elements are in place, the final look of the model has to be considered.
El resultado debe ser realista y usando un criterio lógico. Una vez todos los elementos en su lugar se debe valorar el aspecto final del modelo.



- 12** The model is now prepared for the last stage of filters, washes and operational wear.
El modelo ya preparado para la fase de filtros, lavados y desgaste operativo.



- 13** Chipping and scratches are reproduced on some areas, such as the anti-glare band on the engine.
Se reproducen desconchones y arañazos sobre algunas zonas, como sobre la banda antirreflejo sobre el motor.



- 14** The whole aircraft has been covered with Model Wash by Vallejo, reference 76.521 Oiled Earth, without a problem, since Metal Color resists the aging process perfectly.
Se panea todo el avión con Model Wash de Vallejo, referencia 76.521 Tierra engrasada, sin ningún problema, ya que las pinturas Metal Color resisten perfectamente los procesos de envejecido.



HOW TO USE Environment

Art. 73.825

Crushed Grass/Hierba Aplastada

Crushed Grass contains traces of vegetation and provides a perfect image of grass sticking to the wheels and tracks of the vehicle, and of grass and plants crushed and flattened by the passage of heavy armour, a very realistic detail for models, vignettes or dioramas.

Hierba Aplastada contiene trazas de vegetación reproduce el efecto de la hierba aplastada por el paso de los vehículos, o de la hierba cubriendo las cadenas de un tanque, mostrando un detalle muy realista en las maquetas, viñetas o dioramas.

by Chema Cabrero



- 1** This product is specially designed to reproduce the appearance of crushed grass on the tracks of a tank or the wheels of a vehicle, civilian or military use.
Hierba Aplastada sirve para reproducir el aspecto de la hierba aplastada y adherida a las cadenas o ruedas de un vehículo, tanto civil como militar.



- 2** Its texture and density facilitate the application on the model or the base, using brushes or appropriate tools.
Su textura y densidad facilitan su aplicación sobre el modelo o la base, usando pinceles o herramientas adecuadas.



- 3** In this case we will apply the product on the tracks of a Panther, suggesting their passage over a wet prairie or grass zone.
En este caso aplicaremos el producto sobre las cadenas de un carro Panther, sugiriendo su paso por un prado o zona de hierba.



- 4** The fresh and wet grass crushed by the weight of the vehicle and its movement are accurately reproduced.
La hierba fresca aplastada por el peso del vehículo y su movimiento queda perfectamente reproducida.



- 5** We can apply the product in several layers as we like and we can depict crushed grass splashes blowing air from the airbrush on a brush charged with the mixture.
Podemos aplicar el producto en varias capas según nuestro criterio y realizar efectos de salpicaduras proyectando aire sobre un pincel.



- 6** The texture and size of grass are in proportion to the models and can be diluted or mixed using water or Vallejo Thinner.
La textura y tamaño de la hierba son adecuadas a la escala y la mezcla puede diluirse o fundirse usando agua o Diluyente Vallejo.



HOW TO USE Engine Effects

Art. 73.816

Diesel Stains/Manchas de Diesel

Gasoline and diesel oil stains do not have the same color: Diesel Stains reproduces the exact orange shade of this fuel so that the streaks, traces and splashes caused by refueling with diesel in the field are perfectly reproduced.

Las manchas de carburante tipo gasolina no tienen el mismo matiz que los de gasoil. Con Diesel Stains se reproduce el tono anaranjado y transparente del gasoil, representando de una manera simple los rastros y trazas o goterones y salpicaduras de los vehículos con motor Diesel.

by Chema Cabrero



1 With the right information about the vehicle, we can know all about the engine and the logical area for placing stains or streaking traces of fuel. It is important to avoid symmetrical patterns in the location of spills or traces, since all these patterns are of a random nature. *Con la documentación acerca del vehículo, sabremos tanto su tipo de motor como la ubicación de las manchas sobre el mismo. Evitar la simetría en la disposición de dichas manchas es esencial, la realidad no presenta patrones geométricos.*



2 For depicting these effects we can use a brush with rounded or flat tip or by airbrush. *Podemos usar un pincel, de punta redonda o plana, para representar dichos trazos, incluso puede usarse un aerógrafo.*



3 The applied product reproduces the glossy and orange finish of the fuel. *Su acabado brillante y de matiz anaranjado reproduce perfectamente dicho efecto.*



4 Applied in various layers, the accumulated liquid shows a very real finish. Splash effects can be depicted by blowing air from an airbrush over a brush loaded with the product, and combining these with streaking effects. *Si aplicamos varias capas, el efecto final de líquido acumulado tiene un especial realismo. Aparte de los rastros y manchas, podemos reproducir salpicaduras usando un pincel cargado con la mezcla y proyectando aire sobre el mismo.*

HOW TO USE Splash Mud

Art. 73.805

Brown Splash Mud/Salpicaduras Barro Marrón

Brown Mud is also a classic in the world of miniatures and models, maybe because mud is very common in our actual environment. With this reference we can depict natural splash effects as for example over this Schürzen section with camouflage in three colors.

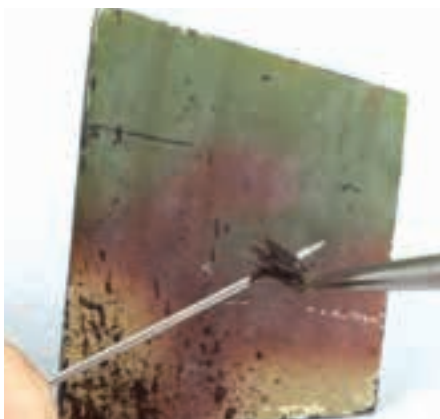
El barro de color marrón también es un clásico en el mundo de las miniaturas. Sin duda porque también es muy común en la realidad. Con esta referencia podremos hacer salpicaduras muy naturales por ejemplo en esta sección de Schürzen con camuflaje de tres colores.

by Michel Pérez



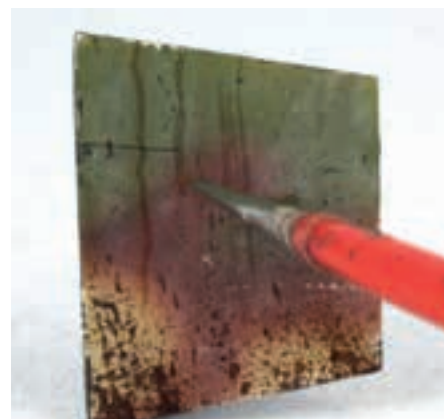
- 1 With the moistened brush you can see the texture of the product, if less density is desired, the mud can be thinned down with water, this will result in less opacity on the model.

Mojando en el interior del bote con un pincel obtenemos una muestra de este producto. Si queremos podemos diluir en agua ligeramente el producto para conseguir, por ejemplo, menos opacidad en las marcas.

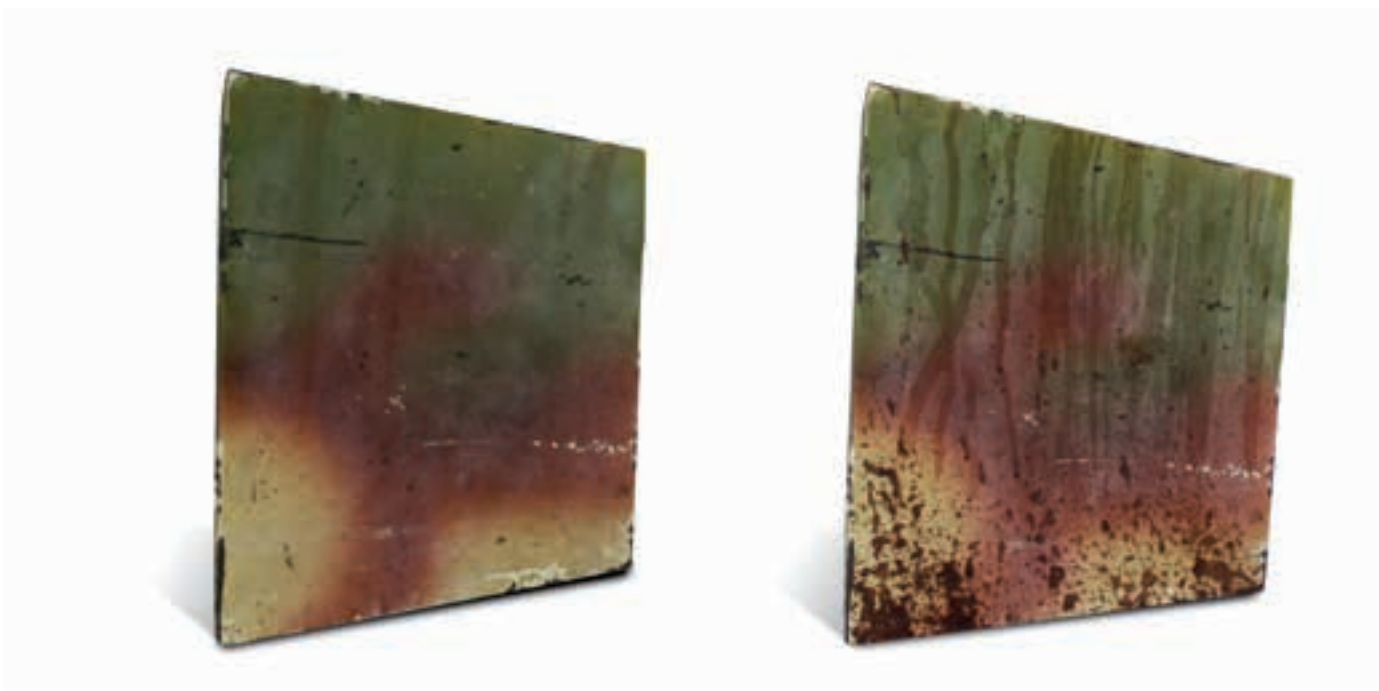


- 2 With this Brown Mud you can depict a very natural splash effect, using the splatter technique mentioned earlier.

Con este "Barro marrón" conseguimos unos efectos muy naturales usando la conocida técnica del salpicado.



- 3 Streaking traces can be achieved easily, thinning the product with Thinner Ref.71.361 or water for dilution. Los regueros de agua se consiguen con facilidad si rebajamos el producto con diluyente Ref. 71.361 o un poco de agua.



- 4 Combining both effects, splashes and streaking traces of fresh wet mud, you can achieve a very real looking finish over the Schürzen.

La combinación de estos dos efectos, los regueros de humedad y las salpicaduras d barro fresco marrón le aportan un gran grado de verosimilitud a nuestro Schürzen.

HOW TO USE Thick Mud

Art. 73.807 (40 ml) - 26.807 (200 ml)

European Thick Mud

Mud with traces of vegetation, a dark brown color most commonly observed in central European terrain and in humid areas of Mediterranean countries. Most of the non alkaline grounds present this aspect.

Barro con trazas de vegetación, de un tono marrón oscuro con el matiz más común observado en terrenos de Europa central y zonas Mediterráneas húmedas. La mayoría de terrenos no alcalinos presentan este aspecto.

by Chema Cabrero



- 1 European Mud depicts the tone of humid ground, a dark and dense shade, with a very realistic texture, even with traces of vegetation. Thick Mud can be used for a diorama base, or to give your model a mud-covered look. The product is ready for use, no need to add plaster or other products.

El aspecto de Barro Europeo es especialmente indicado para representar barro acumulado sobre vehículos o sobre bases de diorama, de textura densa y que incluye rastros de vegetación para aportar un mayor realismo sin precisar añadir productos adicionales.



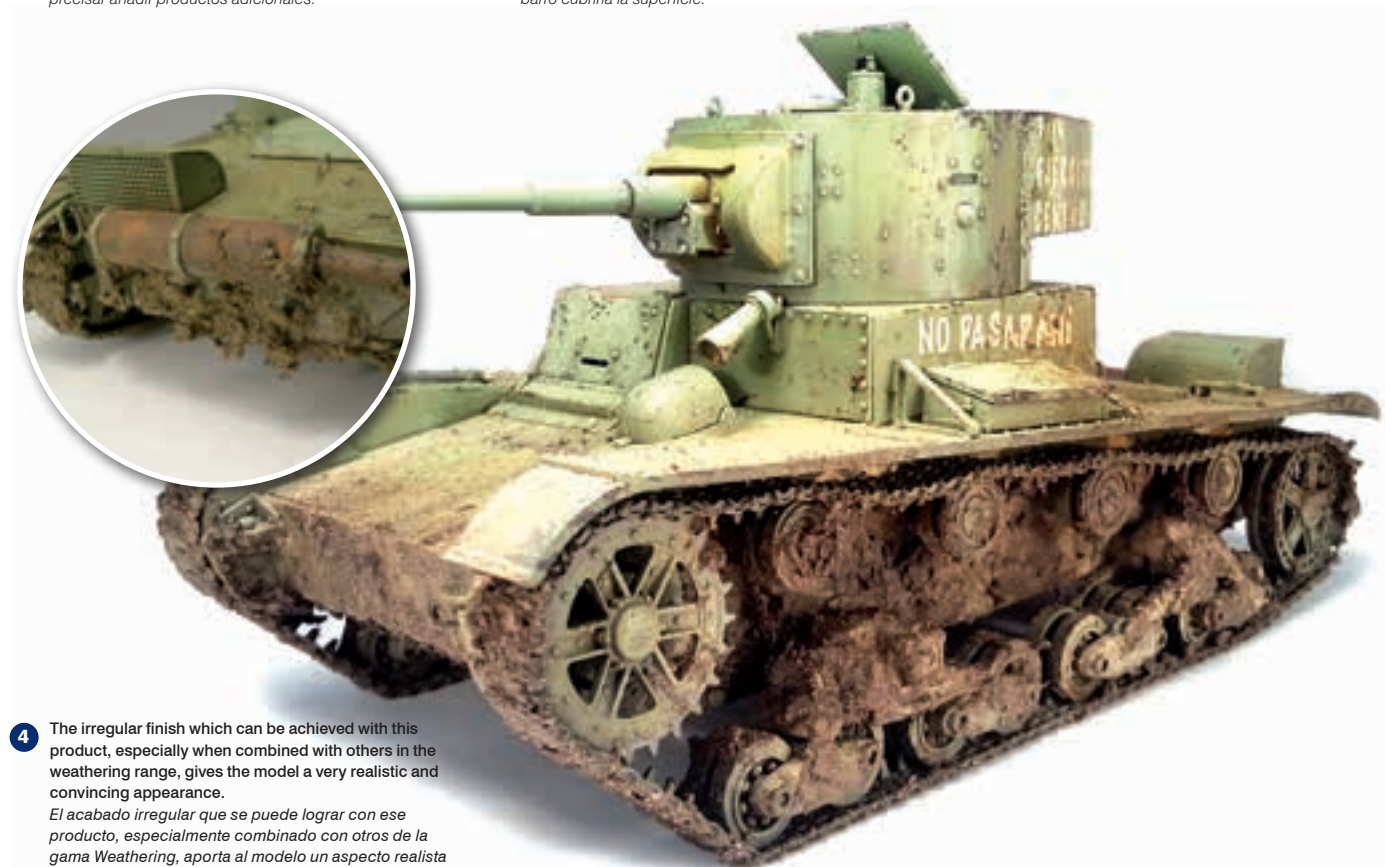
- 2 In this case we are using the product reference over a base coated previously with some Vallejo pigments. The product can be applied with a stiff brush or airbrush, in this case on the tracks and bottom hull of the tank, covering all the logical places.

Vamos a aplicar en este caso la referencia sobre una base sobre la que se han utilizado algunas pigmentos Vallejo. El producto se puede aplicar con un pincel duro o con aerógrafo, en este caso en los bajos y cadenas de un carro, cubriendo de forma lógica los lugares donde el barro cubriría la superficie.



- 3 In some places of the model, for physical reasons, the mud will accumulate naturally in especially thick layers. This effect can be reproduced by just adding more product, no need to wait for the previous layer to dry.

En algunos lugares el barro tiende acumularse en mayor cantidad, por razones físicas, un efecto que se puede representar simplemente utilizando un mayor grosor en la aplicación del producto, sin necesidad a esperar que sequen las capas previas.



- 4 The irregular finish which can be achieved with this product, especially when combined with others in the weathering range, gives the model a very realistic and convincing appearance.

El acabado irregular que se puede lograr con ese producto, especialmente combinado con otros de la gama Weathering, aporta al modelo un aspecto realista y convincente.

HOW TO USE Model Wash

Model Wash reproduces the weathered surfaces of vehicles and armour exposed to harsh climatic conditions.

Model Wash reproduce los desgastes en las superficies de vehículos y armamento expuestas a condiciones climáticas severas.

by Rubén Gonzalez



- 1 Model Wash is used as a filter, for splashes and streaking, without or with texture adding a small amount of plaster.
Se utiliza Model Wash como filtro, para lavados y chorretones y salpicaduras, sin o con relieve, mezclado con algo de escayola.



- 2 When using Model Wash as a filter, water can be added. The idea is to change the base color without flooding and to control the drying.
Para aplicar Model Wash como filtro, se añade algo de agua, tratando de evitar charcos, variando el color muy poco y controlando el secado.



- 3 The Wash is applied directly from the bottle, and excess can be removed with water.
El lavado se aplica directamente del frasco, y el exceso se puede eliminar con agua.



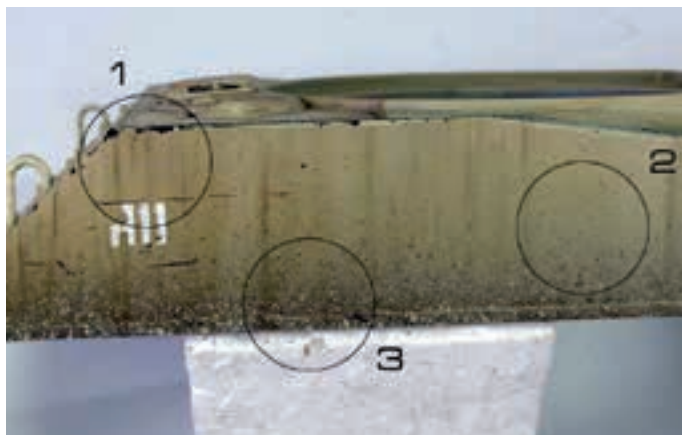
- 4 For earth splashes and streaking, the use of different colors will result in chromatic variety, while changing the order of application will produce a different finish. First apply streaking with a highly diluted dark color.
Para los chorretones y salpicadura se emplean varios colores que aportan riqueza cromática. Variando el orden se consiguen diferentes acabados. Primero, chorretones con un color oscuro muy diluido.



- 5 The next step consists of earth splashes with a dark color.
El siguiente paso consiste en aplicar salpicaduras con un color oscuro.



- 6 Last step, earth splashes with a light color mixed with plaster.
Y por último, aplicamos las salpicaduras con un color claro mezclado con escayola.



7 Here we can see the streaking (1), Dark earth splashes (2) and light earth splashes with texture (3).
Aquí podemos ver aplicado los Chorretones (1), Salpicaduras oscuras sin textura (2) y las Salpicaduras claras con textura (3).



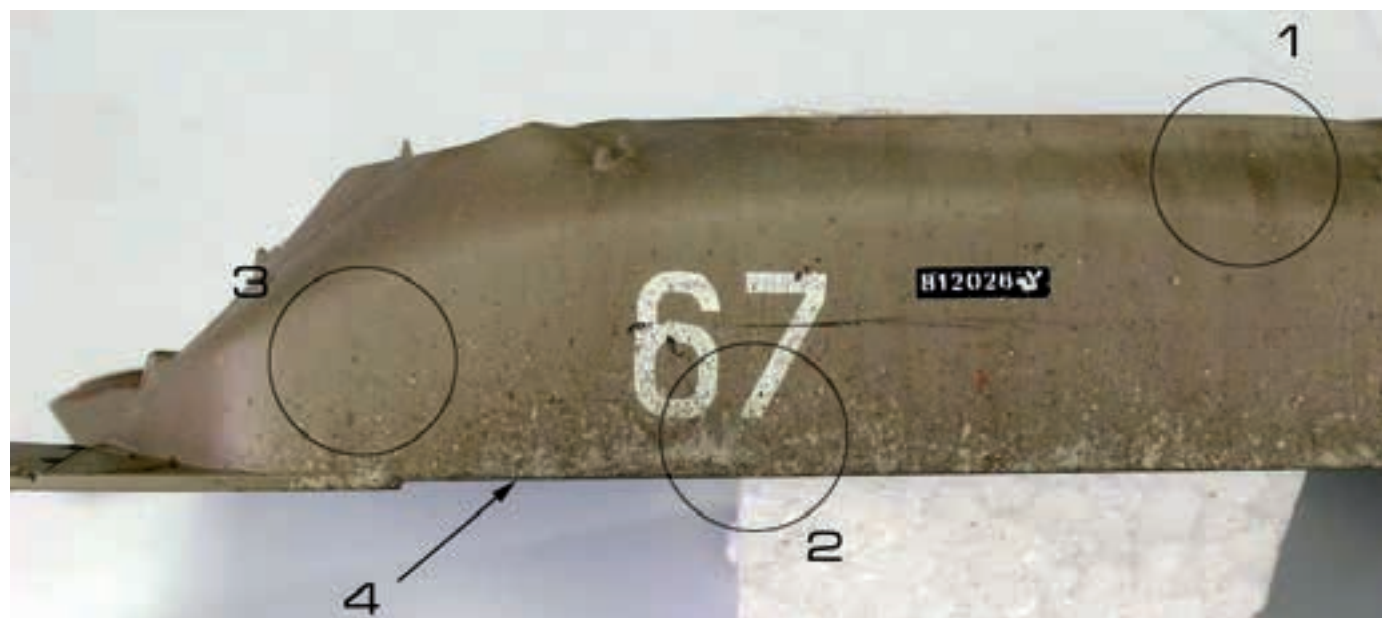
8 In this case I started with medium earth splashes first.
En este caso he empezado por unas salpicaduras de color tierra medio primero.



9 Next I added some plaster for more texture and to lighten the color.
A continuación añado algo de escayola para dar textura y a la vez se aclara un poco el color.



10 Finally I splashed the model with a dark mixture, without plaster, and applied shading to the lower part.
Por último salpico con una mezcla oscura sin escayola y sombro la parte inferior del casco.



11 In this picture we can see the following effects:
 Streaking (1), Light earth splashes with texture (2), Dark earth splashes (3) and Dark shading (4).
*En esta foto podemos ver los siguientes efectos:
 Chorretones (1), Salpicaduras claras con textura (2), Salpicaduras oscuras sin textura (3) y el Sombreado (4).*



HOW TO USE Pigments

Pigments are used for weathering and ageing the finish of vehicles, armour, fortifications and structures.

Los pigmentos se utilizan para envejecer y simular desgastes en los vehículos, blindajes, defensas y estructuras de las maquetas.

by Scratchmod (Rob Ferreira)



- Although the wheels look dusty, we can take the dust weathering a bit further by using Vallejo Pigments. For the wheels I will use a 50/50 mix of 73.104 Light Sienna and 73.121 Desert Dust.
Esta rueda previamente envejecida aerografiando Model Air, podemos envejecerla un poco más con pigmentos. Para las ruedas usaremos una mezcla de 50% de 73.104 Siena Claro y 50% 73.121 Polvo Desierto.



- Using an old soft bristle paintbrush I applied a liberal amount of the pigments onto the sides of the wheels, including the rims.
Con un pincel suave aplicamos aleatoriamente el pigmento a ambos lados de las ruedas, incluyendo las llantas.



- For the treading I applied more pressure with the paintbrush and pressed the pigments into the recesses of the treading.
Aplicamos una mayor presión sobre el dibujo y los huecos de la ruedas.



- Using a dry rag I then gently started rubbing off the pigments from the rim, tire and the treading. If too much of the pigment is removed from the treading, the process can be repeated.
Con un trapo frotamos el neumático y la lanta para retirar el pigmento sobrante. Si retiramos en exceso podemos repetir la aplicación hasta conseguir el efecto deseado.



- The completed wheels are weathered and ready to be mounted on the model. Although subtle on some, the wheels all vary in small ways and have their own character. To protect the wheels and pigments from handling a very light misting of Matt Varnish can be airbrushed over the wheels.
Las ruedas están envejecidas y listas para montarlas en la maqueta. Para lograr un efecto más realista es importante evitar una parecido entre las diferentes ruedas. Para proteger las ruedas de rozaduras de puede aerografiar una fina capa de Barniz Mate.
- The wheel on the left with pigment dusting and the wheel on the right with only airbrushed dust.
La rueda de la izquierda envejecida con pigmento aplicado y la de la derecha con el aerógrafo.

Historical Color References Guide for Aircraft and AFV Series



List of WWII and Modern
Aircraft Camouflage
colors based on official
documentation

List of WWI, WWII and
Modern AFV Camouflage
colors based on official
documentation

List of WWII and Modern Aircraft Camouflage colors based on official documentation

Official Name	Model Air Name	Ref.
USAAF & US Navy Pre-War to WWII		
ANA 501 Light Blue	French Blue	71.088 + 70.510
ANA 502 Insignia Blue	Signal Blue	71.091 + 70.510
ANA 503 Light Green	Light Green Chromate	71.006 + 70.510
ANA 504 Olive Drab	USAF Olive Drab	71.016
ANA 505 Light Yellow	Medium Yellow	71.002 + 70.510
ANA 506 Orange Yellow	Yellow RLM04	71.078 + 70.510
ANA 507 Aircraft Cream	Beige	71.074 + 70.510
ANA 508 International Orange	Light Red	71.086 + 70.510
ANA 509 Insignia Red	Flat Red	70.957 + 70.510
ANA 511 Insignia White	Insignia White	71.279 + 70.510
ANA 513 Engine Gray	Panzer Dark Grey	71.056 + 70.510
ANA 601 Insignia White	Insignia White	71.279
ANA 602 Light Grey	Light Gull Gray	71.121
ANA 603 Sea Gray	Medium Gunship Gray	71.097
ANA 604 Black	Black	71.057
ANA 605 Insignia Blue	Signal Blue	71.091
ANA 606 Semi-Gloss Sea Blue	USN Sea Blue	71.295 + 70.522
ANA 607 Non Specular Sea Blue	USN Sea Blue	71.295
ANA 608 Intermediate Blue	Intermediate Blue	71.299
ANA 609 Azure Blue	UK Azure Blue	71.108
ANA 610 Sky	Sky Green / IJA Light Grey Green	71.321
ANA 611 Interior Green	US Light Green	71.137
ANA 612 Medium Green	USAF Green	71.124
ANA 613 Olive Drab	USAF Olive Drab	71.016
ANA 614 Orange Yellow	Yellow RLM04	71.078
ANA 615 Middlestone	Middlestone	71.031
ANA 616 Desert Sand	US Desert Sand	71.140
ANA 617 Dark Earth	US Field Drab	71.139
ANA 618 Dull Red	Cavalry Brown	70.982
ANA 619 Bright Red	Flat Red	70.957 + 70.510
ANA 620 Light Gull Grey	Light Gull Gray	71.121
ANA 621 Dark Gull Grey	Dark Gull Gray	71.277
ANA 622 Jet Black	Black	71.057 + 70.510
ANA 623 Glossy Sea Blue	Glossy Sea Blue	71.300
Aluminum	Aluminum	71.062
Bronze Green	Yellow Olive	71.013 + 70.522
Curtiss Brown (DuPont No. 71-009)	USAF Brown	71.125
Curtiss Green (DuPont No. 71-013)	US Forest Green	71.294
Curtiss Grey (DuPont No. 71-021)	USAAF Light Gray	71.296
Dark Dull Green	USAF Green	71.124
Grumman Grey	Light Gull Gray	71.121
M-485 Blue Gray	Faded PR.U. Blue	71.109
M-495 Light Gray	M495 Light Gray	71.298
N. 41 Olive Drab	N.41 Dark Olive Drab	71.316
N. 42 Medium Green	USAF Green	71.124
N. 43 Neutral Grey	Neutral Gray	71.051
N. 47 Orange Yellow	Yellow RLM04	71.078
N. 49 Sand	US Desert Sand	71.140
Zinc Chromate Green	Green Zinc Chromate	71.094
Zinc Chromate Salmon (Vought F4U)	US Interior Yellow + Fire Red	71.107 + 71.084
Zinc Chromate Yellow	US Interior Yellow	71.107
Israel Air Force 1947 to present (IAF Colors)		
ANA 613 Olive Drab	USAF Olive Drab	71.016
ANA 623 Glossy Sea Blue	Glossy Sea Blue	71.300
Avia Green	Golden Olive	70.857
Black-Green	Black Green	71.018
Brown	USAF Brown	71.125
Brown	US Earth Brown	71.290
Dark Brown	BS Dark Earth	71.323
Dark Ghost Grey	Dark Ghost Grey	71.120
Dark Green	BS Dark Green	71.324

Official Name	Model Air Name	Ref.
Israel Air Force 1947 to present (IAF Colors)		
Dark Gull Gray	Dark Gull Gray	71.277
Dark Sea Blue	Grey Blue	71.005
Doped Silver	Aluminum	71.062
Earth Brown	USA Flat Brown	71.026
Green	Pale Green	71.095
Green	Green	71.329
Grey	Sky Grey	70.989
Identification Yellow	Yellow RLM04	71.078
Light Blue	Light Blue	71.306
Light Blue	Light Blue	71.328
Light Ghost Gray	USN Light Ghost Gray	70.615
Light Ghost Grey	USN Light Ghost Grey	70.615
Light Grey	Light Gull Gray	71.121
Light Mediterranean Blue	IDF Blue	71.113
Light Stone	UK Light Stone	71.143
Medium Brown	English Uniform	70.921
Medium Sea Grey	BS Medium Sea Grey	71.307
Middle Stone	Middle Stone	71.031
N. 43 Neutral Grey	Neutral Gray	71.051
Ocean Grey	Ocean Grey	71.273
Olive Drab	USA Olive Drab	71.043
Red Brown	Camouflage Pale Brown	71.035
Royal Sea Blue	Signal Blue	71.091
Sand	IAF Sand	71.327
Sky Green	Sky Type S	71.302
Sky Green	Sky Green	71.321
Stone-Yellow	Sand Yellow	71.028
Trainer Yellow	Deep Yellow	70.915
Uniform Green	Tank Crew	70.336
Yellow Identification "V"	Yellow Ochre	70.913
Imperial Japanese Army (IJA) Pre-War to WWII		
"AOTAKE" Translucent Green	"AOTAKE" Translucent Green	71.417
Aluminum	Aluminum	71.062
IJA Dark Beige	IJA Dark Beige	71.416
IJA Dark Green	IJA Dark Green	71.285
IJA Grey Green	IJA Grey Green	71.326
IJA Khaki Brown	IJA Khaki Brown	71.287
IJA Light Grey Green	Sky Green / IJA Light Grey Green	71.321
IJA Olive Green	IJA Olive Green	71.286
Imperial Japanese Navy (IJN) Pre-War to WWII		
"AOTAKE" Translucent Blue	"AOTAKE" Translucent Blue	71.419
IJN Ash Grey	IJN Ash Grey	71.311
IJN Black Green	IJN Black Green	71.322
IJN Dark Black Green	IJN Dark Black Green	71.325
IJN Deep Dark Green	IJN Deep Dark Green	71.310
IJN Medium Brown	IJN Medium Brown	71.418
IJN Medium Grey	IJN Medium Grey	71.312
Mitsubishi Interior Green	Interior Green	71.010
Luftwaffe WWII		
RLM 00 Wasserhell	Gloss Varnish	70.510
RLM 01 Silber	Silver RLM01	71.063
RLM 02 RLM Grau	Grey RLM02	71.044
RLM 04 Gelb	Yellow RLM04	71.078
RLM 05 Lasur	Ivory RLM05	71.106
RLM 21 Weiss	White	71.001
RLM 22 Schwarz	Black	71.057
RLM 23 Rot	Red RLM23	71.003
RLM 24 Dunkelblau	Dark Blue RLM24	71.266
RLM 25 Hellgrün	Light Green RLM25	71.267
RLM 26 Braun	Brown RLM26	71.105
RLM 42 Grau	Dark Grey RLM42	71.123

WWII and Modern Aircraft Camouflage colors

Oficial Name	Model Air Name	Ref.
Luftwaffe WWII		
RLM 61 Dunkelbraun	Dark Brown RLM61	71.042
RLM 62 Grün	Green RLM62	71.104
RLM 63 Hellgrau/Grüngrau	Light Grey RLM63	71.260
RLM 65 Hellblau	Light Blue RLM65	71.255
RLM 66 Schwarzgrau	Black Grey RLM66	71.055
RLM 70 Schwarzgrün	Black Green RLM70	71.021
RLM 71 Dunkelgrün	Dark Green RLM71	71.015
RLM 72 Grün	Green RLM72	71.263
RLM 73 Grün	Green RLM73	71.256
RLM 74 Graugrün	Grey Green RLM74	71.258
RLM 75 Grauviolett	Grey Violet RLM75	71.259
RLM 76 Lichtblau	Light Blue RLM76	71.257
RLM 78 Hellblau	Light Blue RLM78	71.101
RLM 79 Sandgelb	Sand Yellow RLM79	71.278
RLM 80 Olivgrün	Olive Green RLM80	71.265
RLM 81 Braunviolett	Brown Violet RLM81	71.264
RLM 82 Hellgrün	Light Green RLM82	71.022
RLM 83 Dunkelgrün	Dark Green RLM83	71.011
RLM 84 Graublau	Grey Blue RLM84	71.103
France Armée de l'air Pre-War to 1945		
Aluminum Matt	Aluminum	71.062
Bleu	AMT-7 Greyish Blue	71.318
Bleu Interieur	Signal Blue	71.091
Brun Chocolate	US Earth Brown	71.290
Brun Mat	Armour Brown	71.041
Chamois Primer	Beige	70.917
Gris Bleu Clair	USAF Medium Gray	71.275
Gris Bleu Fonce	Dark Grey	71.110
Jaune	Yellow RLM04	71.078
Jaune Sahara	Sand Yellow	71.028
Khaki 1	US Olive Drab	71.043
Khaki 2	Yellow Olive	71.013
Noir	Black	71.057
Ombre Calcienne	Burnt Umber	71.040
Rouge	Dark Vermillion	70.947
Sienne Naturelle (Terre de Sienne)	Camouflage Pale Brown	71.035
Terre Fonce	US Field Drab	71.139
Vert	NATO Green	71.092
Vert Protectif	Gunship Green	71.014
Soviet Air Force VVS WWII		
3B (Dark Green)	3B Russian Green	71.281
4B0 (Camouflage Green)	Russian Green 4B0	71.017
A-18F (Gloss Light Blue)	A-18F Light Blue	71.413
A-19F (Gloss Grass Green)	A-19F Grass Green	71.411
A-21M (Matt Light Yellowish Brown)	A-21 Light Yellowish Brown	71.415
A-24M (Matt Camouflage Green)	A-24M Camouflage Green	71.303
A-26M (Matt Black)	Black	71.057
A-28M (Matt Greyish Blue)	A-28M Greyish Blue	71.319
AE-14 (Light Blue)	Pale Blue	71.008
AEH-9 (Gloss Light Grey)	AEH-9 Light Grey	71.414
All (Semigloss Red)	Ferrari Red	71.085
All Aluminiumy (All Aluminum)	Aluminum	71.062
All Svetlo goluboi (Gloss Light Blue)	All SV Gol Light Blue	71.317
All Zashchitnyi (Gloss Camoufl. Green)	All Zashchitnyi Camouflage Green	71.410
ALG-1 (Zinc-Chrome Yellowish)	Ivory RLM05	71.106
AMT-1 (Matt Light Greyish Brown)	AMT-1 Light Greyish Brown	71.320
AMT-11 (Matt Blue Grey)	AMT-11 Blue Grey	71.304
AMT-12 (Matt Dark Grey)	AMT-12 Dark Grey	71.308
AMT-4 (Matt Camouflage Green)	AMT-4 Camouflage Green	71.301
AMT-6 (Matt Black)	NATO Black	71.251
AMT-7 (Matt Greyish Blue)	AMT-7 Greyish Blue	71.318
Grey-Blue	VVS Grey Blue	71.412
MK-7 (Matt White)	White	71.001
MV-1 (Gloss Blue-Grey)	IDF Blue	71.113
"Zashchitnyi" (Khaki)	Zashchitnyi Khaki	71.409

Oficial Name	Model Air Name	Ref.
RAF-FAA WWII		
BS 101 No.1 Sky Blue "Duck Egg Blue"	No.1 Sky Blue "Duck Egg Blue"	71.404
BS 106 Dull Roundel Blue	Signal Blue	71.091
BS 210 Sky Type S	Sky Type S	71.302
BS 216 Eau de Nil "Duck Egg Green"	Eau de Nil "Duck Egg Green"	71.009
BS 241 Dark Green	BS Dark Green	71.324
BS 283 Interior Grey-Green	IDF/IAF Green	71.126
BS 356 Trainer Yellow/Identific. Yellow	Yellow RLM04	71.078
BS 361 Light Stone	UK Light Stone	71.143
BS 362 Middle Stone	Middle Stone	71.031
BS 435 Dull Roundel Red	Rust	71.080
BS 450 Dark Earth	BS Dark Earth	71.323
BS 538 Insignia Red	Fire Red	71.084
BS 629 Ocean Grey	Ocean Grey	71.273
BS 634 Dark Slate Grey	Dark Slate Grey	71.309
BS 636 PR.U. Blue	Faded PR.U. Blue	71.109
BS 637 Medium Sea Grey	BS Medium Sea Grey	71.307
BS 638 Dark Sea Grey	BS Dark Sea Grey	71.405
BS 639 Light Slate Grey	Light Slate Grey	71.406
BS 640 Extra Dark Sea Grey	US Dark Gray	71.110
BS 642 Night Black	Black	71.057
Aluminum	Aluminum	71.062
Azure Blue	UK Azure Blue	71.108
Dark Mediterranean Blue	Dark Mediterranean Blue	71.313+70.510
Deep Sky	Deep Sky	71.090
Extra Dark Sea Green	USAF Green	71.124
Interior Grey-Green (variante)	Pale Green	71.095
Interior Grey-Green (variante)	Interior Grey-Green	71.305
Light Earth	US Earth Yellow	71.291
Light Green	Light Green	71.403
Light Mediterranean Blue	IDF Blue	71.113
PR.U. Pink	PRU Pink	71.408
Sky Blue	Sky Blue	71.306
Sky Grey	Sky Grey	71.407
White/Insignia White	Insignia White	71.279
Italy Regia Aeronautica Pre-War to 1945		
Alluminiata	Aluminum	71.062
Azzurro 11	Deep Sky	71.090
Bianco Avorio 5	Skin Tone + White	71.076 + 71.001
Bianco Neve 6	White	71.001
Bruno 10	Hull Red	71.039
Bruno Mimetico	USA Flat Brown	71.026
Giallo Cromo 7	Flat Yellow	70.953
Giallo Mimetico 1	Yellow Ochre + White	70.913 + 70.951
Giallo Mimetico 2	US Interior Yellow + Black	71.107 + 71.057
Giallo Mimetico 3	Yellow Ochre	70.913
Giallo Mimetico 4	Middle Stone	71.031
Grigio Azzurro Chiaro 1	M495 Light Gray + White	71.298 + 71.001
Grigio Azzurro Scuro 3	Medium Gunship Gray	71.097
Grigio Mimetico	USAF Medium Gray + White	71.275 + 71.001
Marrone Mimetico 1	Cavalry Brown	70.982
Marrone Mimetico 2	US Field Drab	71.139
Marrone Mimetico 53193	Camouflage Pale Brown	71.035
Nero Opaco 12	Black	71.057
Nocciola Chiaro 4	USAF Brown	71.125
Rosso 8	Fire Red	71.084
Verde 9	Black Green	70.980
Verde Anticorrosione 1	Interior Grey Green + White	71.305 + 71.001
Verde Anticorrosione 2	IDF/IAF Green + White	71.126 + 71.001
Verde Mimetico 1	US Light Green + White	71.137 + 71.001
Verde Mimetico 2	USAF Green	71.124
Verde Mimetico 3	US Dark Green	71.289
Verde Mimetico 53192	IDF/IAF Green	71.126
Verde Oliva Scuro 2	Yellow Olive	71.013
Verde Prato Anticorrosione	Light Green	71.403

WWII and Modern Aircraft Camouflage colors

Oficial Name	Model Air Name	Ref.
Soviet/Russian AF Colors post WWII to present “Cold War” Silver Darts		
Aluminum	Aluminum	71.062
Silver	Silver RLM01	71.063
Chrome	Chrome	71.064
Steel	Steel	71.065
Gun Metal	Gunmetal	71.072
Black	Black	71.073
A-14 Steel Grey	A-14 Steel Grey	71.336
Cockpit Emerald Green “Faded”	Cockpit Emerald Green “Faded”	71.331
Soviet/Russian AF Colors post WWII to present Scheme “Tactical” (Part 1) 1960-2000		
Dark Green	Russian AF Dark Green	71.347
Golden/Reddish Brown	Golden Brown	71.032
Dark Brown (1)	Dark Brown RLM61	71.042
Sand (1)	Camouflage Pale Brown	71.035
Beige (1)	Sand Beige	71.244
Green (3)	US Light Green	71.137
Underside Blue “Faded”	Underside Blue “Faded”	71.332
Light Gray (2)	Dark Gull Gray	71.277
Soviet/Russian AF Colors post WWII to present Scheme “Tactical” (Part 2) 1978-1989		
Beige (1)	Sand Beige	71.244
Sand (2)	Yellow Brown	71.246
Brown (1)	Camouflage Medium Brown	71.038
Green (4)	Ochre	71.081
Green (3)	US Light Green	71.137
Dark Green	Russian AF Dark Green	71.347
Underside Blue “Faded”	Underside Blue “Faded”	71.332
Underside Gray Blue	Pale Blue Grey	71.046
Soviet/Russian AF Colors post WWII to present MiG-21 “Fishbed”		
Yellow Sand	UK Light Stone	71.143
Beige (1)	Sand Beige	71.244
Dark Green	Russian AF Dark Green	71.347
Green (3)	US Light Green	71.137
Green (4)	Ochre	71.081
Golden/Reddish Brown	Golden Brown	71.032
Underside Blue “Faded”	Underside Blue “Faded”	71.332
Underside Gray Blue	Pale Blue Grey	71.046
Soviet/Russian AF Colors post WWII to present MiG-23 “Flogger”		
Beige (1)	Sand Beige	71.244
Sand (2)	Yellow Brown	71.246
Dark Green	Russian AF Dark Green	71.347
Green (4)	Ochre	71.081
Gray (3)	Russian AF Grey N.3	71.339
Dark Gray Blue (1)	Engine Gray	71.048
Light Gray Blue (1)	Light Blue	71.328
Underside Gray Blue	Pale Blue Grey	71.046
Soviet/Russian AF Colors post WWII to present MiG-29 “Fulcrum”		
Gray Green	Grey Green	71.340
Green (3)	US Light Green	71.137
Light Gray (2)	Dark Gull Gray	71.277
Light Gray Blue (1)	Light Blue	71.328
Dark Gray (1)	Neutral Gray	71.051
Off-White	White Grey	71.119
Gray (4)	Russian AF Grey N.4	71.346
Blue (4)	Sky Blue	71.306
Soviet/Russian AF Colors post WWII to present Sukhoi Su-7/17 “Fitter”		
Beige (1)	Sand Beige	71.244
Dark Green	Russian AF Dark Green	71.347
Brown (1)	Camouflage Medium Brown	71.038
Sand (2)	Yellow Brown	71.246
Golden/Reddish Brown	Golden Brown	71.032
Green Gray	Green Grey	71.341
Underside Gray Blue	Pale Blue Grey	71.046
Underside Blue “Faded”	Underside Blue “Faded”	71.332

Oficial Name	Model Air Name	Ref.
Soviet/Russian AF Colors post WWII to present Sukhoi Su-25/39 “Frogfoot”		
Yellow Sand	UK Light Stone	71.143
Beige (2)	Sand Yellow	71.028
Dark Brown (2)	6K Russian Brown	71.282
Green Gray	Green Grey	71.341
Underside Gray Blue	Pale Blue Grey	71.046
Light Blue (1)	Russian AF Light Blue	71.342
Dark Gray “Eggplant”	Sea Grey	71.049
Blue (4)	Sky Blue	71.306
Soviet/Russian AF Colors post WWII to present Sukhoi Su-27 “Flanker”		
Flanker Light Blue	Flanker Light Blue	71.334
Flanker Light Gray	Flanker Light Gray	71.335
Flanker Blue	Flanker Blue	71.337
Gray Protective Coat	Russian AF Grey Protective Coat	71.344
Gray (7)	Russian AF Grey N.7	71.343
Gray (8)	Russian AF Grey N.8	71.345
Blue (1)	Russian AF Blue	71.333
Blue (2)	All SV. Gol Light Blue	71.317
Soviet/Russian AF Colors post WWII to present Combat Helicopters		
Beige (1)	Sand Beige	71.244
Olive Green	Light Olive	71.247
Light Olive Green	Hemp	71.023
Green (2)	Medium Olive	71.092
Gray (1)	M495 Light Gray	71.298
Dark Gray “Eggplant”	Sea Grey	71.049
Underside Blue “Faded”	Underside Blue “Faded”	71.332
Gray Blue (2)	Russian AF Grey Blue	71.338
Aircraft Colors MiG-23 “Flogger”		
Yellow Sand	UK Light Stone	71.143
Green (3)	US Light Green	71.137
Sand (1)	Camouflage Pale Brown	71.035
Underside Blue “Faded”	Underside Blue “Faded”	71.332
Aircraft Colors Su-17M3UM “Fitter”		
Golden/Reddish Brown	Golden Brown	71.032
Green (3)	US Light Green	71.137
Dark Brown (1)	Dark Brown RLM61	71.042
Underside Gray Blue	Pale Blue Grey	71.046
Aircraft Colors Sukhoi PAK FA T-50		
Light Gray Blue	Light Blue	71.328
Gray Blue (5)	Engine Gray	71.120
Dark Gray Blue (1)	Dark Ghost Gray	71.048
Radome Grey	Aggressor Gray	71.274
Aircraft Colors Sukhoi Su-24 “Fencer”		
Gray (3)	Russian AF Grey N.3	71.339
White	White	71.001
Radome White	Ivory	70.918
Cockpit Gray	IJN Deep Dark Green+White	71.310+71.001
Aircraft Colors Sukhoi Su-27 “Russian Knights”		
White “Russian Knights”	White	71.001
Blue “Russian Knights”	Blue+White	71.004+71.001
Dark Blue “Russian Knights”	Dark Blue RLM24	71.266
Red “Russian Knights”	Red RLM23	71.003
Aircraft Colors Sukhoi Su-33 “Flanker-D”		
Pale Blue (3)	Light Blue RLM76+White	71.257+71.001
Light Blue (3)	Deep Sky Blue	70.844
Dark Gray-Blue (2)	USAF Light Blue	71.111
Cockpit Gray-Blue	Faded PR.U. Blue	71.109
Aircraft Colors Sukhoi Sukhoi Su-34 “Fullback”		
Bright Blue (1)	Light Sea Blue+White	71.089+71.001
Bright Blue (2)	Blue Green	70.808
Turquoise	Emerald	70.838
Cockpit Gray-Blue	Faded PR.U. Blue	71.109
Aircraft Colors Sukhoi Sukhoi Su-35 “Flanker-E”		
Pale Sand	Buff	70.976
Dark Brown (2)	6K Russian Brown	71.282
Green-Gray	Green Grey	71.341
Light Gray (1)	Light Gull Gray	71.121

WWII and Modern Aircraft Camouflage colors

Oficial Name	Model Air Name	Ref.	FS
USAF & US Navy post WWII to present			
ANA 501 Douglas 9431 Blue	French Blue	71.088 + 70.510	15102
ANA 502 Blue Thunderbirds	Signal Blue	71.091 + 70.510	15044
ANA 509 Red Thunderbirds	Flat Red	70.957 + 70.510	11136
ANA 511 Glossy Insignia White	Insignia White	71.279 + 70.510	17875
ANA 512 Aircraft Gray	Flanker Light Gray	71.335	36473
ANA 601 Non Specular Insignia White	Insignia White	71.279	37875
ANA 603 Medium Gunship Gray	Medium Gunship Gray	71.097	36118
ANA 604 Non Specular Black	Black	71.057	37038
ANA 607 Non Specular Sea Blue	USN Sea Blue	71.295	35042
ANA 608 Intermediate Blue / Navy Blue 212	Intermediate Blue	71.299	35164
ANA 612 Gunship Green	USAF Green	71.124	34092
ANA 615 Middlestone	Middlestone	71.031	30266
ANA 616 Desert Sand	US Desert Sand	71.140	30279
ANA 617 Field Drab	US Field Drab	71.139	30118
ANA 620 Glossy Gull Gray	Light Gull Gray	71.121 + 70.510	16440
ANA 620 Non Specular Gull Gray	Light Gull Gray	71.121	36440
ANA 621 Dark Gull Gray	Dark Gull Gray	71.277	36231
ANA 623 Glossy Sea Blue	Glossy Sea Blue	71.300	15042
ANA 625 Dark Gunship Gray / European I Grey	Seaplane Gray	71.314	36081
ANA 628 Sierra Tan	USAF Brown	71.125	30219
ANA 631 Dark Green/Army Forest Green	US Forest Green	71.294	34079
Aggressor Gray	Aggressor Gray	71.274	36251
Air Superiority Blue	Underside Blue "Faded"	71.332	35450
Aluminum	Aluminum	71.062	
Brown Olympic Russet	Rust	71.080	30111
Camouflage Gray	USAAF Light Gray	71.296	36622
Dark Compass Ghost Grey	Dark Ghost Grey	71.120	36320
Dark Green	US Loam	71.292	34086
Duck Egg Blue	Light Blue	71.328	35622
Green	Green	71.329	34159
Gris Camuflaje	Camouflage Gray	71.280	36170
Light Blue International	USAF Light Blue	71.111	35109
Light Compass Ghost Grey	USN Light Ghost Grey	70.615	36375
Light Grey	USAF Light Gray	71.276	36495
Light Oran. Yellow	US Interior Yellow	71.107	
Marine Corps Green	Yellow Olive	71.013	34052
Médium Gray (Neutral Gray)	USAF Medium Gray	71.275	36270
Medium Green	US Dark Green	71.289	34102
Medium Grey	Medium Gray	71.114	35237
NATO Black	NATO Black	71.251	37030
Brown	Camouflage Pale Brown	71.035	30140
Neutral Gray	Neutral Gray	71.051	36173
Ocean Grey	Ocean Grey	71.273	36176
Olive	Interior Green	71.010	34098
Pale Green	Pale Blue	71.008	35414
Pale Yellow Pink/Sand	Desert Tan	70.613	33717
Radome Tan	Beige	71.074	33695
Sand	IAF Sand	71.327	33531
Sand Brown	US Sand	71.138	30277
Tan Green	Hemp	71.023	34201
Yellow Sand (Tan)	USAF Tan	71.348	30400
USAF & US NAVY post WWII (Aluminum/Natural Metal)			
Aluminum	Aluminum	71.062	
Aluminum	Aluminum (Metal Color)	77.701	
ANA 604 Non Specular Black	Black	71.057	37038
ANA 601 Non Specular Insignia White	Insignia White	71.279	37875
USAF & US NAVY post WWII to present (South East Asia - SEA)			
ANA 628 Sierra Tan	USAF Brown	71.125	30219
ANA 631 Dark Green/Army Forest Green	US Forest Green	71.294	34079
Medium Green	US Dark Green	71.289	34102
Camouflage Gray	USAAF Light Gray	71.296	36622
USAF & US NAVY post WWII to present (Vietnam SWA "Asia Minor")			
Yellow Sand (Tan)	USAF Tan	71.348	30400
ANA 631 Dark Green/Army Forest Green	US Forest Green	71.294	34079
Brown	Camouflage Pale Brown	71.035	30140
Camouflage Gray	USAAF Light Gray	71.296	36622

Oficial Name	Model Air Name	Ref.	FS
USAF & US NAVY post WWII to present (Strategic Air Command "SAC" Vol. 1)			
Tan Green	Hemp	71.023	34201
ANA 631 Dark Green/Army Forest Green	US Forest Green	71.294	34079
Green	Green	71.329	34159
ANA 604 Non Specular Black	Black	71.057	37038
ANA 601 Non Specular Insignia White	Insignia White	71.279	37875
USAF & US NAVY post WWII to present (Strategic Air Command "SAC" Vol. 2)			
ANA 625 Dark Gunship Gray / European I Grey	Seaplane Gray	71.314	36081
Dark Green	US Loam	71.292	34086
ANA 603 Medium Gunship Gray	Medium Gunship Gray	71.097	36118
USAF & US NAVY post WWII to present (Aerospace Defence Command "ADCOM" 1968)			
ANA 512 Aircraft Gray	Flanker Light Gray	71.335	36473
USAF & US NAVY post WWII to present (Air Superiority Blue 1974)			
Air Superiority Blue	Underside Blue "Faded"	71.332	35450
USAF & US NAVY post WWII to present (F-15 Compass Ghost Gray from 1973 to present)			
Dark Compass Ghost Grey	Dark Ghost Grey	71.120	36320
Light Compass Ghost Grey	USN Light Ghost Grey	70.615	36375
USAF & US NAVY post WWII to present (Mod Eagle - Finales 80's)			
Ocean Grey	Ocean Grey	71.273	36176
Aggressor Gray	Aggressor Gray	71.274	36251
USAF & US NAVY post WWII to present (F-18, F-22, F-35, etc., Compass Ghost Gray)			
Dark Compass Ghost Grey	Dark Ghost Grey	71.120	36320
Light Compass Ghost Grey	USN Light Ghost Grey	70.615	36375
Light Grey	USAF Light Gray	71.276	36495
Medium Grey	Medium Gray	71.114	35237
Radome Tan	Beige	71.074	33798
USAF & US NAVY post WWII to present (Ferris 1977)			
Dark Compass Ghost Grey	Dark Ghost Grey	71.120	36320
ANA 621 Dark Gull Gray	Dark Gull Gray	71.277	36231
ANA 620 Non Specular Gull Gray	Light Gull Gray	71.121	36440
Camouflage Gray	USAAF Light Gray	71.296	36622
ANA 603 Medium Gunship Gray	Medium Gunship Gray	71.097	36118
USAF & US NAVY post WWII to present (A-10A Prototype YA-10A - 1972/1974)			
ANA 512 Aircraft Gray	Flanker Light Gray	71.335	36473
ANA 603 Medium Gunship Gray	Medium Gunship Gray	71.097	36118
USAF & US NAVY post WWII to present (A-10A Pre-production 1975)			
ANA 603 Medium Gunship Gray	Medium Gunship Gray	71.097	36118
Dark Compass Ghost Grey	Dark Ghost Grey	71.120	36320
Sand Brown	US Sand	71.138	30277
ANA 604 Non Specular Black	Black	71.057	37038
ANA 601 Non Specular Insignia White	Insignia White	71.279	37875
USAF & US NAVY post WWII to present (Base Color A-10A Serial Number 75-0258/72-0262)			
Light Compass Ghost Grey	USN Light Ghost Grey	70.615	36375
USAF & US NAVY post WWII to present (A-10A - Snow Scheme)			
ANA 601 Non Specular Insignia White	Insignia White	71.279	37875
ANA 612 Gunship Green	USAF Green	71.124	34092
ANA 625 Dark Gunship Gray / European I Grey	Seaplane Gray	71.314	36081
USAF & US NAVY post WWII to present (A-10A - Flipper Scheme)			
Light Grey	USAF Light Gray	71.276	36495
Medium Gray (Neutral Gray)	USAF Medium Gray	71.275	36270
ANA 625 Dark Gunship Gray / European I Grey	Seaplane Gray	71.314	36081
USAF & US NAVY post WWII to present (A-10A - Peanut Scheme)			
ANA 615 Middlestone	Middlestone	71.031	30266
Yellow Sand (Tan)	USAF Tan	71.348	30400
Brown	Camouflage Pale Brown	71.035	30140
USAF & US NAVY post WWII to present (A-10A - Ghost Scheme)			
Dark Compass Ghost Grey	Dark Ghost Grey	71.120	36320
Light Compass Ghost Grey	USN Light Ghost Grey	70.615	36375
ANA 603 Medium Gunship Gray	Medium Gunship Gray	71.097	36118
USAF & US NAVY post WWII to present (A-10A - Chacoal Lizzard Scheme)			
ANA 603 Medium Gunship Gray	Medium Gunship Gray	71.097	36118
Medium Green	US Dark Green	71.289	34102
ANA 612 Gunship Green	USAF Green	71.124	34092
ANA 621 Dark Gull Gray	Dark Gull Gray	71.277	36231

WWII and Modern Aircraft Camouflage colors

Ofical Name	Model Air Name	Ref.	FS
USAF & US NAVY post WWII to present (A-10A - Asymetrical 1976 Scheme)			
Médium Gray (Neutral Gray)	USAF Medium Gray	71.275	36270
Light Grey	Grey Blue RLM84	71.103	36559
USAF & US NAVY post WWII to present (A-10A - False Canopy Scheme)			
Médium Gray (Neutral Gray)	USAF Medium Gray	71.275	36270
Light Grey	Grey Blue RLM84	71.103	36559
ANA 603 Medium Gunship Gray	Medium Gunship Gray	71.097	36118
USAF & US NAVY post WWII to present - Scheme Number 1 (A-10A Joint Attack Weapons System “JAWS” 1977)			
Sand Brown (Base Color)	US Sand	71.138	30277
ANA 617 Field Drab	US Field Drab	71.139	30118
ANA 612 Gunship Green	USAF Green	71.124	34092
Medium Green	US Dark Green	71.289	34102
USAF & US NAVY post WWII to present - Scheme Number 2 (A-10A Joint Attack Weapons System “JAWS” 1977)			
ANA 621 Dark Gull Gray (Base Color)	Dark Gull Gray	71.277	36231
ANA 617 Field Drab	US Field Drab	71.139	30118
ANA 612 Gunship Green	USAF Green	71.124	34092
Medium Green	US Dark Green	71.289	34102
USAF & US NAVY post WWII to present - Scheme Number 3 (A-10A Joint Attack Weapons System “JAWS” 1977)			
Medium Green (Base Color)	US Dark Green	71.289	34102
ANA 617 Field Drab	US Field Drab	71.139	30118
Sand Brown	US Sand	71.138	30277
ANA 612 Gunship Green	USAF Green	71.124	34092
ANA 621 Dark Gull Gray	Dark Gull Gray	71.277	36231
USAF & US NAVY post WWII to present (European I)			
ANA 625 Dark Gunship Gray / European I Grey	Seaplane Gray	71.314	36081
ANA 631 Dark Green/Army Forest Green	US Forest Green	71.294	34079
Medium Green	US Dark Green	71.289	34102
ANA 612 Gunship Green	USAF Green	71.124	34092
USAF & US NAVY post WWII to present (Egypt I)			
ANA 603 Medium Gunship Gray	Medium Gunship Gray	71.097	36118
Médium Gray (Neutral Gray)	USAF Medium Gray	71.275	36270
Light Compass Ghost Grey	USN Light Ghost Grey	70.615	36375
Dark Compass Ghost Grey	Dark Ghost Grey	71.120	36320
USAF & US NAVY post WWII to present (Wraparound “SEA” 1981)			
ANA 628 Sierra Tan	USAF Brown	71.125	30219
ANA 631 Dark Green/Army Forest Green	US Forest Green	71.294	34079
Medium Green	US Dark Green	71.289	34102
USAF & US NAVY post WWII to present (Wraparound “ANG” 1-1986)			
ANA 631 Dark Green/Army Forest Green	US Forest Green	71.294	34079
ANA 625 Dark Gunship Gray / European I Grey	Seaplane Gray	71.314	36081
ANA 604 Non Specular Black	Black	71.057	37038
USAF & US NAVY post WWII to present (Wraparound “ANG” 2-1990)			
ANA 603 Medium Gunship Gray	Medium Gunship Gray	71.097	36118
Medium Gray (Neutral Gray)	USAF Medium Gray	71.275	36270
ANA 604 Non Specular Black	Black	71.057	37038
USAF & US NAVY post WWII to present (Hill)			
ANA 603 Medium Gunship Gray	Medium Gunship Gray	71.097	36118
Médium Gray (Neutral Gray)	USAF Medium Gray	71.275	36270
Light Compass Ghost Grey	USN Light Ghost Grey	70.615	36375
USAF & US NAVY post WWII to present (Tactical Air Command “TAC” 1981 & 1991)			
ANA 604 Non Specular Black	Black	71.057	37038
ANA 603 Medium Gunship Gray	Medium Gunship Gray	71.097	36118
USAF & US NAVY post WWII to present (Air Mobility Command “AMC” 80’s)			
ANA 601 Non Specular Insignia White	Insignia White	71.279	37875
Camouflage Gray	USAAF Light Gray	71.296	36622
ANA 501 Douglas 9431 Blue	French Blue	71.088 + 70.510	15102
USAF & US NAVY post WWII to present (Air Mobility Command “AMC” Medio 80’s)			
ANA 625 Dark Gunship Gray / European I Grey	Seaplane Gray	71.314	36081
Camouflage Gray	USAAF Light Gray	71.296	36622
USAF & US NAVY post WWII to present (Air Mobility Command “AMC” 1991)			
Neutral Gray	Neutral Gray	71.051	36173

Ofical Name	Model Air Name	Ref.	FS
Aggressor Schemes (USAF & US Navy post WWII to present)			
<i>Grape</i>			
Pale Green	Pale Blue	71.008	35414
Light Blue International	USAF Light Blue	71.111	35109
ANA 608 Intermediate Blue / Navy Blue 212	Intermediate Blue	71.299	35164
Duck Egg Blue	Light Blue	71.328	35622
<i>Old Lizard</i>			
ANA 617 Field Drab	US Field Drab	71.139	30118
Sand	IAF Sand	71.327	33531
<i>Grey 2</i>			
ANA 512 Aircraft Gray	Flanker Light Gray	71.335	36473
<i>Pumpkin</i>			
Light Orange Yellow	Beige	71.074	33695
Olive	Interior Green	71.010	34098
Camouflage Gray	USAAF Light Gray	71.296	36622
<i>Silver</i>			
Aluminum	Aluminum	71.062	
Aluminum	Aluminum (Metal Color)	77.701	
<i>VNAF/Gomer</i>			
ANA 628 Sierra Tan	USAF Brown	71.125	30219
ANA 631 Dark Green/Army Forest Green	US Forest Green	71.294	34079
Medium Green	US Dark Green	71.289	34102
Camouflage Gray	USAAF Light Gray	71.296	36622
<i>Frog</i>			
Brown Olympic Russet	Rust	71.080	30111
Pale Yellow Pink / Sand	Desert Tan	70.613	33717
Marine Corps Green	Yellow Olive	71.013	34052
Duck Egg Blue	Light Blue	71.328	35622
<i>Old Blue</i>			
Pale Green	Pale Blue	71.008	35414
Light Blue International	USAF Light Blue	71.111	35109
ANA 608 Intermediate Blue / Navy Blue 212	Intermediate Blue	71.299	35164
Duck Egg Blue	Light Blue	71.328	35622
<i>New Blue</i>			
Pale Green	Pale Blue	71.008	35414
Light Blue International	USAF Light Blue	71.111	35109
ANA 608 Intermediate Blue / Navy Blue 212	Intermediate Blue	71.299	35164
<i>Flogger 1</i>			
Yellow Sand (Tan)	USAF Tan	71.348	30400
Brown	Camouflage Pale Brown	71.035	30140
ANA 631 Dark Green/Army Forest Green	US Forest Green	71.294	34079
<i>Blue Flanker</i>			
Air Superiority Blue	Underside Blue “Faded”	71.332	35450
Médium Gray (Neutral Gray)	USAF Medium Gray	71.275	36270
Light Blue International	USAF Light Blue	71.111	35109
<i>Lizard Flanker</i>			
ANA 616 Desert Sand	US Desert Sand	71.140	30279
Brown	Camouflage Pale Brown	71.035	30140
ANA 631 Dark Green/Army Forest Green	US Forest Green	71.294	34079
<i>Desert Fulcrum</i>			
Brown	Camouflage Pale Brown	71.035	30140
ANA 616 Desert Sand	US Desert Sand	71.140	30279
Médium Gray (Neutral Gray)	USAF Medium Gray	71.275	36270
<i>Flogger 2</i>			
Yellow Sand (Tan)	USAF Tan	71.348	30400
Brown	Camouflage Pale Brown	71.035	30140
ANA 631 Dark Green/Army Forest Green	US Forest Green	71.294	34079
Médium Gray (Neutral Gray)	USAF Medium Gray	71.275	36270
<i>MIG-29</i>			
ANA 608 Intermediate Blue / Navy Blue 212	Intermediate Blue	71.299	35164
Light Grey	USAF Light Gray	71.276	36495
Médium Gray (Neutral Gray)	USAF Medium Gray	71.275	36270

WWII and Modern Aircraft Camouflage colors

Official Name	Model Air Name	Ref.	FS
USAF & US Navy post WWII to present (Thunderbirds)			
Aluminum	Aluminum	71.062	
Aluminum	Aluminum (Metal Color)	77.701	
ANA 601 Non Specular Insignia White	Insignia White	71.279	37875
ANA 509 Red Thunderbirds	Flat Red	70.957 + 70.510	11136
ANA 502 Blue Thunderbirds	Signal Blue	71.091 + 70.510	15044
USAF & US Navy Helicopters UH-1N, CH-53, CH-46, AH-1			
Light Ghost Grey	USN Light Ghost Grey	70.615	36.375
Medium Grey	Medium Gray	71.114	35.237

Official Name	Model Air Name	Ref.	FS
USAF & US Navy Helicopters CH-53			
Light Grey	Light Gull Gray	71.121 + 70.510	36.440
USAF & US Navy Helicopters CH-46			
ANA 603 Medium Gunship Gray	Medium Gunship Gray	71.097	36.118
USAF & US Navy Helicopters MV-22 Osprey			
Light Ghost Grey	USN Light Ghost Grey	70.615	36.375
Gray Blue (5)	Engine Gray	71.120	36.320
Medium Grey	Medium Gray	71.114	35.237

List of WWI, WWII and Modern AFV Camouflage colors based on official documentation

RAL	Official Name	Model Air Name	Ref.
Wehrmacht Heer 1939-1945			
1001	Elfenbein	Ivory	71.075
1006	Gelb	Yellow Ochre	71.033
3000	Rot	Red	71.269
6003	Olivgrün	Medium Olive	71.092
6006	Feldgrau	German Grey	71.268
6007	Grün	Camouflage Dark Green	71.019
7008	Graugrün	Camouflage Grey Green	71.116
7016	Blaugrau	Blue Grey	71.115
7021	Dunkelgrau	Panzer Dark Grey	71.056
7027	Grau	Camouflage Grey	71.118
7028	Dunkelgelb	Dark Yellow	71.025
8000	Gelbbraun	German Green Brown	71.272
8012	Rot (Rotbraun)	German Red Brown	71.271
8017	Rotbraun	Armour Brown	71.041
8020	Braun	Camouflage Brown	71.117
9001	Weiß	Off-White	71.270
9002	Weiß	White Grey	71.119
9005	Schwarz	Black	71.057

Official Name	Model Air Name	Ref.	FS
USA WWII (EUROPE PACIFIC)			
Black	Black	71.057	37038
Dark Green	US Dark Green	71.289	34102
Desert Sand	US Desert Sand	71.140	30279
Earth Brown	US Earth Brown	71.290	30099
Earth Red	US Earth Red	71.293	30117
Earth Yellow	US Earth Yellow	71.291	30257
Forest Green	US Forest Green	71.294	34079
Light Green	US Light Green	71.137	34151
Loam	US Loam	71.292	34086
Olive Drab	US Olive Drab	71.043	34087
Sand	US Sand	71.138	30277
Field Drab	US Field Drab	71.139	30118
White	Insignia White	71.279	37875

Official Name	Model Air Name	Ref.
Early German Camo Colors FA		
Nº 3 Feldgrau	German Grey	71.268
Nº 17 Erdgelb	Nº 17 Earth Yellow	71.420
Nº 18 Braun Matt	Camouflage Medium Brown	71.038
Nº 28 Grün	Grün	71.019
Nº 45 Dunkelbraun	Armour Brown	71.042
British Army Colors 1936-1945 in the UK, France and N.W. Europe		
Dark Green G4	Yellow Olive	71.013
Khaki Green Num. 3	Khaki Green Num. 3	71.330
Ligth Green G5	Russian Green 4B0	71.017
Nobel's Dark Tarmac Num. 4	Grey Blue	71.005
SCC Num. 1A Very Dark Brown	Dark Brown	71.042
SCC Num. 2 Brown	Camouflage Pale Brown	71.035
SCC Num. 7 Green Olive Green	Dark Green	71.012
SCC Num. 14 Blueblack	Dark Grey Blue	71.054
SCC Num. 15 Olive Drab	USAF Olive Drab	71.016
Deep Bronze Green No. 24	UK Bronze Green	70.607
UK British Italy 1943-1945		
Dark Olive Green	Dark Green	71.289
Ligth Mud	UK Light Mud	71.284
SCC Num. 1A Very Dark Brown	Dark Brown	71.042
SCC Num. 2 Brown	Camouflage Pale Brown	71.035
SCC Num. 14 Blueblack	Dark Grey Blue	71.054
SCC Num. 15 Olive Drab	USAF Olive Drab	71.016
British Caunter Scheme 40-41		
BSC Num. 28 Silver Grey	UK BSC 28 Silver Grey	71.401
BSC Num. 34 Slate	Dark Green	71.012
BSC Num. 49 Light Purple Brown	UK BSC 49 Light Purple Brown	71.402
BSC Num. 61 Light Stone	UK Light Stone	71.143
BSC Num. 64 Portland Stone	UK BSC 64 Portland Stone	71.288
Khaki Green Num. 3	Khaki Green Num. 3	71.330
UK Alamein Africa 42-43		
BSC Num. 34 Slate	Dark Green	71.289
BSC Num. 61 Ligth Stone	UK Light Stone	71.143
Dark Olive Green	Armour Green	71.011
Desert Pink ZI	UK Desert Pink	71.400
SCC Num. 1A Very Dark Brown	Dark Brown	71.042
SCC Num. 14 Blueblack	Dark Grey Blue	71.054

WWI, WWII and Modern AFV Camouflage colors

Oficial Name	Model Air Name	Ref.
URSS WWII		
3B Alkidno Uretanovaya	3B Russian Green	71.281
6K	Russian Brown 6K	71.282
7K	Russian Tan 7K	71.283
4B0	Russian Green 4B0	71.017
White B	White Grey	71.119
6RP	Black	71.057
Protective Green	Dark Green	71.012
4B0	Russian Green 4B0 Primer	70.609
IJA WWII		
Cha Iro 1937-1942	Pale Brown Camo	71.035
Earth Brown 1937-1942	Earth Brown 1937-1942	71.136
Midori Iro 1937-1942	Blue Green	71.134
Tutikusa Iro 1937-1942	Earth Green	73.611
Karekusa Iro 1942-1945	Parched Grass	73.610
Ki Iro 1937-1942	Yellow Chrome	71.135
Kusa Iro 1942-1945	Field Green	71.093
Tochi Iro 1942-1945	Black Brown Camo	71.042
IJN Blue Grey	Medium Grey	71.114
Regio Esercito – Italy WWII		
Giallo Sabbia Chiaro	Marrón Radome	71.074
Giallo Sabbia Scuro	Amarillo Arena	71.028
Grigio Verde Chiaro	Grey	71.103
Grigio Verde Scuro	Ligth Grey Green	71.044
Rosso Ruggine	Fire Red	71.084
Verde Scuro	Dark Green	71.012
Armée 1937-1945 – Francia WWII		
Noir	Black	71.057
Brun	Mud Brown	71.037
Vert Olive	Olive Grey	71.096
Vert Claire	Light Green	71.006
Ocre Jaune	Beige	71.074
British Berlin Brigade		
RAL9010 White	White	71.001
RAL7031 Blue Grey	Grey	71.047
RAL8025 Brown	Camouflage Pale Brown	71.035
Modern Russian Colors		
Russian Green Base	Gunship Green	71.014
Protective Green	Black Green	71.018
Modern Khaki Green	Green Brown	71.020
Modern Dark Green	Dark Green	71.012
Modern Light Green	Green Zinc	71.094
Modern Grey Green	Cement Grey	71.045
Base Pale Cream	Aged White	71.132
Base Pale Sand	Sand Beige	71.244
Sand Yellow	Yellow Brown	71.246
Mustard	Ivory	71.106
Orange Brown	Sand Brown	71.034
Red Brown	Hull Red	71.039
Black	Black	71.057
IDF Colors		
Olive Drab Sinai War 56	US Olive Drab	71.043
Sand Grey 67-73 Six Days War	IDF Gris Arena Israeli	70.614
Sand Grey 73 Yom Kippur	IDF Sand Grey 73	71.141
Sinai Grey 82	IDF Sinai Grey 82	71.142
Modern Era Camo Beige	Tan Green	71.023
USA (Vietnam 68-73)		
Earth Brown	US Earth Brown	71.290
Earth Yellow	US Earth Yellow	71.291
Fieldrab	US Field Drab	71.139
Olive Drab	US Olive Drab	71.043

Oficial Name	Model Air Name	Ref.	FS
USA MERDC			
Black	Black	71.057	37038
Dark Green	US Dark Green	71.289	34102
Desert Sand	US Desert Sand	71.140	30279
Earth Brown	US Earth Brown	71.290	30099
Earth Red	US Earth Red	71.293	30117
Earth Yellow	US Earth Yellow	71.291	30257
Field Drab	US Field Drab	71.139	30118
Forest Green	US Forest Green	71.294	34079
Insignia White	Insignia White	71.279	37875
Ligth Green	US Ligth Green	71.137	34151
Olive Drab	US Olive Drab	71.043	34087
Sand	Sand	71.138	30277

Oficial Name	Model Air Name	Ref.
MERDC Camo Combinations		
<i>Desert Gray</i>		
Sand	US Sand	71.138
Field Drab	US Field Drab	71.139
Earth Yellow	US Earth Yellow	71.291
Black	Black	71.057
<i>Desert Red</i>		
Earth Red	US Earth Red	71.293
Earth Yellow	US Earth Yellow	71.291
Sand	US Sand	71.138
Black	Black	71.057
<i>Summer, US & Europe, Verdant</i>		
Forest Green	US Forest Green	71.294
Light Green	US Light Green	71.137
Sand	US Sand	71.138
Black	Black	71.057
<i>Winter, Arctic</i>		
White	Insignia White	71.279
<i>Snow, Temperate Climate with Open Terrain</i>		
White	Insignia White	71.279
Field Drab	US Field Drab	71.139
Sand	US Sand	71.138
Black	Black	71.057
<i>Snow, Temperate Climate with Trees</i>		
Forest Green	US Forest Green	71.294
White	Insignia White	71.279
Sand	US Sand	71.138
Black	Black	71.057
<i>Tropics, Verdant</i>		
Forest Green	US Forest Green	71.294
Dark Green	US Dark Green	71.289
Light Green	US Light Green	71.137
Black	Black	71.057
<i>Winter, US & Europe, Verdant</i>		
Forest Green	US Forest Green	71.294
Field Drab	US Field Drab	71.139
Sand	US Sand	71.138
Black	Black	71.057
Japan Modern Colors (Japan Ground Self-Defense Force)		
Brown 3606 JGSDF	JGSD Brown 3606	71.297
Dark Green 3414 JGSDF	Olive Grey	71.096
OD 2314 JGSDF	US Olive Drab	71.043
International Security Assistance Force (ISAF)		
Sandbeige	Sand Beige	71.244
Lehmbeige	Loam Beige	71.245
Sandbraun	Yellow Brown	71.246
Helloliv	Light Olive	71.247
Tarngrau	Brown Grey	71.248
Lederbraun	Nato Brown	71.249
Bronzegrün	Bronze Green	71.250
Teerschwarz	Nato Black	71.251

WWI, WWII and Modern AFV Camouflage colors

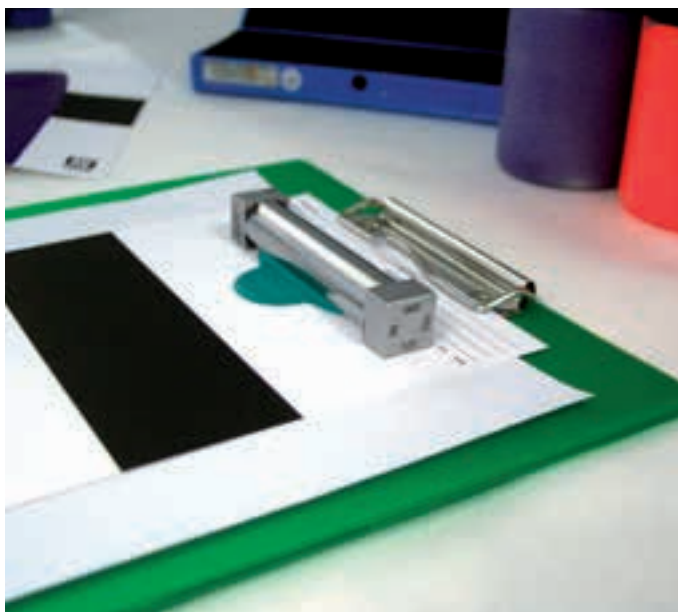
Oficial Name	Model Air Name	Ref.	FS	RAL
NATO Colors				
Nato Black	NATO Black	71.251	37030	9021
Nato Brown	NATO Brown	71.249	30051	8027
US Nato Green	Nato Green	71.093		
Nato Green Europe Post 1984	Bronze Green	71.250		6031

Oficial Name	Model Air Name	Ref.	FS
USA Modern Colors			
Desert Tan 686	US Desert Armour 686	71.122	33446
Green 383	Nato Green	71.093	34094
Olive Drab	USAF Olive Drab	71.016	34088
Brown 383	NATO Brown	71.249	30051
Black	NATO Black	71.251	37030

Oficial Name	Model Air Name	Ref.
China Modern Colors (PLA: People Liberation Army)		
Light Green	Light Green Chromate	71.006
Medium Green	Russian Green 480	71.017
Dark Green	Black Green	71.018
Sand Brown	Sand Yellow	71.028
Black	Black	71.057
Brown	Yellow Brown	71.246
Basic Colors		
White	White	71.001
Yellow	Medium Yellow	71.002
Red	Red	71.003
Blue	Blue	71.004
Green	Gunship Green	71.014
Dark Brown	Dark Earth	71.029
Yellow Brown	Brown Green	71.030
Grey	Grey	71.047
Black	Black	71.057
Skin Tone	Skin Tone	71.076
Orange	Orange	71.083
Magenta	Red	71.102
Metallic Colors		
Aluminum	Aluminum	71.062
Silver	Silver RLM01	71.063
Chrome	Chrome	71.064
Steel	Steel	71.065
Gold	Gold	71.066
Bright Brass	Bright Brass	71.067
Copper	Copper	71.068
Rust	Rust	71.069
Signal Red	Signal Red	71.070
Arctic Blue	Arctic Blue	71.071
Gun Metal	Gun Metal	71.072
Black	Black	71.073
Metal Tracks		
Black Metal	Metallic Black	71.073
Gun Metal	Gun Metal	71.072
Polished Metal	Steel	71.065
Rusty Tracks		
Light Rust	Rust	71.080
Dark Rust	Dark Brown	71.042
Rubber Tyres		
New Rubber	Black	71.057
Rubber	Tyre Black	71.315
Old Rubber	Dark Brown	71.042
Dust & Dirt		
Dirt	Dirt	71.133
Concrete	Concrete	71.131
Earth	Tan Earth	71.079
Grey Sand	Sand Grey	71.141
Light Sand	Aged White	71.132
Stone	Portland Stone	71.288
Sand	Ivory	71.075

Oficial Name	Model Air Name	Ref.
Chipping		
Chipping	Dark Brown	71.042
Wood		
New Wood	Wood	71.077
Old Wood	Sand Grey	71.141
Dry Wood	Ivory	71.075
Light Wood	Off-White	71.270
Rust Colors		
Rust (Metallic)	Rust (Metallic)	71.069
Rust	Rust	71.080
Light Rust	Light Rust	71.129
Orange Rust	Orange Rust	71.130
Dark Brown Rust	Dark Brown RLM61	71.042
Yellow Rust	Yellow Ochre	71.033
Leather		
Dark Leather	Armour Brown	71.041
Red Leather	Mahogany	71.036
Light Leather	Golden Brown	71.032
Industrial & Chemical Drums		
Chemical Drums	French Blue	71.088
Fuel Red	Ferrari Red	71.085
White	Insignia White	71.279
Blue	Light Sea Blue	71.089
Civil Jerrycans		
Yellow	Medium Yellow	71.002
Red	Fire Red	71.084
Civil Machinery		
Yellow	Yellow	71.078
Vegetation & Grass (Color Modulation)		
"Light" Light Green	Light Green Chromate	71.006
"Base" Medium Green	Olive Grey	71.096
"Shadow" Dark Green	Olive Green	71.007
"Light" Light Brown	Light Brown	71.027
"Base" Medium Brown	Ochre	71.081
"Shadow" Dark Brown	Dark Earth	71.029

Health & Safety/Salud y seguridad



EN REACH

R.E.A.CH is a new European Community Regulation on chemicals and their safe use. It deals with the Registration, Evaluation, Authorization and Restriction of Chemical substances. The new law entered into force on 1 June 2007.

The aim of REACH is to improve the protection of human health and the environment through the better and earlier identification of the intrinsic properties of chemical substances. One of the main reasons for developing and adopting the REACH Regulation was that a large number of substances have been manufactured and placed on the market in Europe for many years, sometimes in very high amounts, and yet there is insufficient information on the hazards that they pose to human health and the environment. There is a need to fill these information gaps to ensure that industry is able to assess hazards and risks of the substances, and to identify and implement the risk management measures to protect humans and the environment.

ASTM D-4236

The U.S.A. certification ASTM D-4236* Standard Practice for Labeling Art Materials for Chronic Health Hazards describes the standard procedure for developing precautionary labels for art materials in case of chronic health hazard, and to provide precautionary statements based on knowledge that exists in the scientific and medical communities. These statements concern hazards known to be associated with a product or product component(s) when it is present in a physical form, volume, or concentration that in the opinion of a toxicologist has the potential to produce a chronic adverse health effect. This practice applies exclusively to art materials packaged in sizes intended for individual users of any age or those participating in a small group, and does not apply to products appropriately labeled for known chronic health hazards. Also, this practice does not specify test methods for determining whether a substance or product presents adverse chronic health effects.

Labels should include the signal word WARNING, list of potentially chronic hazards, name of chronically hazardous component(s), safe handling instructions, list of sensitizing components, information sources, labeling content and product size, and other supplementary information. (ASTM International, known until 2001 as the American Society for Testing and Materials, is an international standards organization that develops and publishes voluntary consensus technical standards).

* To obtain the ASTM certification, the manufacturer presents the formulation of the products in question to an accredited toxicologist, who after careful study of the ingredients of each color provides the documentation which informs of the warning, if applicable, that each of the product labels should provide.

ES REACH

R.E.A.CH es el nuevo Reglamento de la Comunidad Europea que entró en vigor el 1 de junio de 2007 que regula el uso de sustancias químicas. El Protocolo Reach ha sido descrito como la mas compleja legislación de la Unión Europea y la más importante en los últimos 20 años puesto que regula el registro, la evaluación y autorización o restricción de las sustancias y preparados químicos con el objetivo de garantizar el mas elevado nivel de protección al usuario y al medio ambiente. El propósito de REACH es mejorar la protección de la salud del usuario y del medio ambiente mediante una identificación mejor y más temprana de las propiedades intrínsecas de las sustancias químicas. Una de las principales razones para desarrollar y adoptar el Reglamento REACH ha sido que durante muchos años se han estado fabricando y distribuyendo en el mercado europeo una gran cantidad de productos de los cuales todavía no hay una información suficiente sobre los peligros que pueden representar para la salud del usuario y el medio ambiente.

ASTM D-4236

Las siglas ASTM corresponden a la American Society for Testing and Materials. La norma ASTM D-4236* describe el procedimiento estándar a seguir en la información que el fabricante debe facilitar en la etiqueta del producto con el fin de advertir, mediante frases de precaución o advertencia, del posible riesgo para la salud del usuario. Estos documentos se refieren a los riesgos que se sabe que están asociados a un producto, o a uno o varios de sus componentes, cuando éste se encuentre presente en una forma física, volumen o concentración que en opinión de los toxicólogos pudiera llegar a ser causante de algún efecto crónico perjudicial para la salud. Este procedimiento afecta exclusivamente a los materiales de arte destinados a la venta a particulares de cualquier edad y es de aplicación a los productos que hayan sido etiquetados específicamente como causantes reconocidos de efectos crónicos perjudiciales para la salud.

Además, esta práctica no especifica los métodos de análisis utilizados para determinar si una sustancia o producto puede producir efectos crónicos perjudiciales para la salud. Las etiquetas deberán incluir la indicación ADVERTENCIA, una lista de los riesgos potencialmente crónicos, el nombre del componente o componentes peligrosos, instrucciones para su manipulación segura, una lista de componentes sensibilizadores, las fuentes de información, el contenido nominal y cantidad del producto, así como cualquier otra información complementaria.

* Para obtener dicha certificación es necesario facilitar las formulaciones de nuestros colores a un toxicólogo acreditado por la organización ASTM para que éste, tras un pormenorizado estudio de los ingredientes de cada uno de los colores, redacte un documento en el cual informa de las frases de advertencia que debe portar cada una de las etiquetas.

Health & Safety/Salud y seguridad

EN Color Index

The pigments used for artists' colors are inorganic as well as organic. The inorganic pigments have been used since antiquity; most of them are extracted from minerals and soil, such as natural earth colors, siennas and ocre. Titanium, carbon and ultramarine pigments also belong to this category, as well as cobalt and cadmium. Many of these pigments are now also manufactured synthetically. Organic pigments have their origins in the 19th century. Industrial production developed at the beginning of the twentieth century owing to new manufacturing processes in organic chemistry. These synthetic pigments have become an important group in the manufacture of artists' colors, producing bright and luminous shades of great intensity and excellent light fastness and permanence.

The range has extended continuously, and now besides the familiar phtalocyanines and naphthols, includes azo compounds, dioxacines and pyrroles, antraquiniones and quinacridones.

ES Color Index

Los pigmentos empleados son tanto inorgánicos como orgánicos. Los inorgánicos han sido utilizados desde la antigüedad y la gran mayoría proceden o se extraen de minerales y arcillas, como las tierras naturales, sienas, y ocre. También los pigmentos de titanio, carbón, azul ultramar, cobaltos y cadmios pertenecen a esta categoría. Muchos de ellos son sintetizados actualmente en procesos industriales. Los pigmentos orgánicos son más modernos, se desarrollan a principios del siglo XX gracias a los nuevos métodos de síntesis en Química Orgánica.

Estos pigmentos sintéticos son ahora un grupo muy importante en la fabricación de colores para artistas, produciendo tonos brillantes e luminosos de una intensidad extraordinaria con una estabilidad y permanencia excelente.

La gama de pigmentos orgánicos es actualmente muy extensa y abarca desde pigmentos azoicos, azules, verdes phtalocianinas, dioxacinas, pirroles, antraquinonas, quinacridonas, etc.

Symbols/Símbolos

The symbols below are printed on different products following the rules of dangerous substances, in order to protect the user.

Los siguientes símbolos se hallan en diferentes productos destinados a la advertencia y protección del usuario siguiendo las normativas de sustancias peligrosas.



FLAMMABLE (F)
INFLAMABLE (F)
Indicate that product is easily set alight.
Indica que el producto es fácilmente inflamable.



PUNTO VERDE
GREEN POINT
This symbol indicates that the material of the packaging can be recycled, and that the manufacturer adheres to the regulations governing the use of this symbol.
Este símbolo indica que el material del envase puede reciclarse y que el fabricante se adhiere a las normas que regulan el uso de este símbolo.



CE
CE marking is a key indicator of a product's compliance with EU legislation and enables the free movement of products within the European market. By affixing the CE marking on a product, a manufacturer is declaring, on his sole responsibility, conformity with all of the legal requirements to achieve CE marking and therefore ensuring validity for that product to be sold throughout the EEA, the Member states of the EU and European Free Trade Association countries - Iceland, Norway, Liechtenstein and Turkey. This also applies to products made in third countries which are sold in the EEA and Turkey. However, not all products must bear the CE marking. Only those product categories subject to specific directives that provide for the CE marking are required to be CE marked.
CE indica la conformidad de un producto con la legislación de la UE y permite así la libre circulación de los productos dentro del mercado europeo. Al colocar el marcado CE en un producto, el fabricante declara, bajo su exclusiva responsabilidad, que el producto cumple todos los requisitos legales para el marcado CE, lo que significa que puede venderse en el Espacio Económico Europeo (EEE). Lo mismo vale para los productos fabricados en otros países y vendidos en el EEE.



EXCLAMATION SYMBOL
SÍMBOLO EXCLAMACION
Indicates that the product has a possible risk qualification of irritating.
Este símbolo indica que el producto es irritante.



IRRITATING (Xi)
IRRITANTE
Direct contact, prolonged or repeated, with skin or mucous membranes can cause inflammation. Carefully observe safety all precautions.
Sin ser corrosivas, pueden producir inflamaciones en caso de contacto breve, prolongado o repetido con la piel o en mucosas. Peligro de sensibilización en caso de contacto con la piel. Clasificación con R43.



TRIANGLE
TRIÁNGULO
A raised triangle on the label, as a tactile warning for blind people that the material might have a certain risk.
Un triángulo saliente en la etiqueta es una advertencia táctil para personas ciegas que indica que el material puede tener cierto riesgo.



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