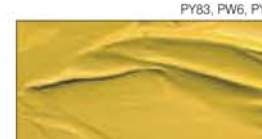
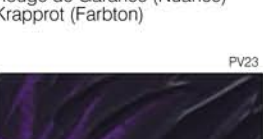
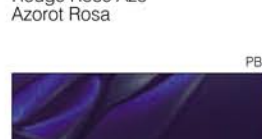
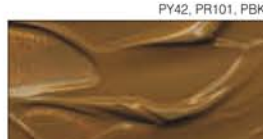
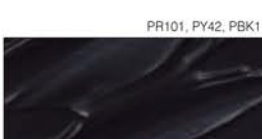
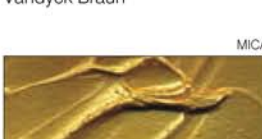


 11* Blanco Titanium Rutilo Titanium White Rutile Blanc de Titane Rutile Titanweiss Rutile	 41* Blanco Titanio Anatase Titanium White Anatase Blanc Titane Anatase Titanweiss Anatase	 42* Titanio Crudo Titan Buff (Unbleached Titanium) Chamois de Titane Titan Beige	 1* Amarillo Cadmio Limón Cadmium Lemon Yellow Jaune de Cadmium Citron Cadmiumgelb Zitron	 43 Amarillo Cadmio Claro (Tono) Cadmium Yellow Light (Hue) Jaune de Cad. Clair (Nuance) Cadmiumgelb Hell (Farbton)
 22 Amarillo Cad. Oscuro (Tono) Cadmium Yellow Deep (Hue) Jaune de Cad. Foncé (Nuance) Kadmiumgelb Dunkel (Farbton)	 60 Amarillo Cadmio (Tono) Cadmium Yellow (Hue) Jaune De Cadmium (Nuance) Kadmiumgelb (Farbton)	 13* Amarillo Anaranjado (Azo) Azo Yellow Orange Jaune Orange Azo Echtgelb Dunkel	 21 Amarillo Nápoles (Tono) Naples Yellow (Hue) Jaune de Naples (Nuance) Neapelgelb (Farbton)	 44 Carne Carnation Pink Teinte Chair Hellrosa
 15* Naranja Orange Orange Orange	 61 Rojo Veneciano (Tono) Venetian Red (Hue) Rouge De Venise (Nuance) Venetianischrot (Farbton)	 2* Rojo de Cadmio (Tono) Cadmium Red (Hue) Rouge de Cadmium (Nuance) Kadmium Rot (Farbton)	 45 Rojo Cadmio Oscuro (Tono) Dark Cadmium Red (Hue) Rouge de Cad. Foncé (Nuance) Kadmium Rot Dunkel (Farbton)	 3* Rojo Carmin Naphtol Crimson Rouge Naphtol Carmine Permanent Karmesin
 26 Rojo de Garanza (Tono) Rose Madder (Hue) Rouge de Garance (Nuance) Krapprot (Farbton)	 53 Rosa Quinacridona Quinacridone Rose Rose Quinacridone Quinacridone Rosa	 57 Rojo Rosa Azoico Rose Red Azo Rouge Rose Azo Azorot Rosa	 52 Violeta De Cobalto (Tono) Cobalt Violet (Hue) Violet Cobalt (Nuance) Kobaltviolett (Farbton)	 23 Magenta Magenta Magenta Magenta Rot
 14* Violeta Permanente Permanent Violet Violet Permanent Permanent Violett	 46 Azul de Prussia Ftalo Prussian Blue Phthalo Bleu de Prusse Phthalo Preussisch Blau Phthalo	 4* Azul Ultramar Ultramarine Blue Blue Outremer Ultramarin Blau	 5* Azul Ftalocianina Phthalo Blue Blue de Phthalocyanine Phthaloblau	 63 Azul Cian Oscuro Cyan Blue Dark Bleu Cyan Foncé Dunkelblau Cyan
 25 Azul de Cobalto (Tono) Cobalt Blue (Hue) Bleu de Cobalt (Nuance) Kobaltblau (Farbton)	 58 Lapislazuli (Tono) Lapis Lazuli (Hue) Lapis-Lazuli (Nuance) Lapis Lazuli (Farbton)	 24 Azul Cian Primary Blue Blue Primaire Cyanblau	 51 Azul Ultramar Claro Ultramarine Light Outremer Clair Ultramarine Hell	 55 Azul Palido Ftalocianina Phthalo Blue Pale Blue De Phthalocyanine Pâle Phthaloblau Hell
 47 Turquesa de Ftalocianina Phthalo Turquoise Phthalo Turquoise Phthalotürkies	 6* Verde Ftalocianina Phthalo Green Vert de Phthalocyanine Phthalogrün	 7 Verde Permanente Permanent Green Vert Permanent Permanent Grün	 54 Esmeralda Ftalocianina Phthalo Emerald Véronèse Phthalo Phthalo Smaragd	 59 Verde Claro Green Fluorescent Vert Clair Grün Hell

 56 Verde Chromium Palido Chromium Green Pale Vert De Chrome Pâle Chromgrün Hell	 16 Verde Vejiga (Tono) Sap Green (Hue) Vert de Vessie (Nuance) Saftgrün (Farbton)	 48 Verde Oliva Olive Green Vert Olive Olivgrün	 8* Amarillo Óxido de Hierro Yellow Iron Oxide Oxyde Jaune Eisenoxidgelp	 9 Naranja Óxido de Hierro Orange Iron Oxide Oxyde Orange Eisenoxyd Orange
 10* Negro Óxido de Hierro Red Iron Oxide Oxyde Rouge Eisenoxyd Rot	 19 Siena Natural Raw Sienna Sienna Naturelle Siena Natur	 20 Siena Tostada (Tono) Burnt Sienna (Hue) Sienna Brulée (Nuance) Siena Gebrannt (Farbton)	 17 Sombra Natural (Tono) Raw Umber (Hue) Ombre Naturelle (Nuance) Umbra Nature (Farbton)	 18 Sombra Tostada (Tono) Burnt Umbert (Hue) Ombre Brulée (Nuance) Umbra Gebrannt (Farbton)
 49 Pardo Van Dyck Brun Van Dyck Van Dyck Brown Vandyck Braun	 62 Gris Medio Medium Grey Gris Moyen Mittelgrau	 50 Gris de Payne Payne's Grey Gris du Payne Grau (Payne-Grau)	 12* Negro Óxido de Hierro Mars Black Noir de Mars Mars Schwarz	 27 Primal-Polímero Acrílico Primal-Acrylic Polymer Primal-Résine Acrilique Primal-Acrylherz
 938 Oro Gold Or Gold	 939 Plata Silver Argent Silber	 940 Cobre Copper Cuivre Kupfer	 930 Amarillo Fluorescente Yellow Fluorescent Jaune Fluo Fluo Gelb	 931 Amarillo Dorado Fluo. Gold Yellow Fluorescent Jaune Doré Fluo Fluo Goldgelb
 932 Naranja Fluorescente Orange Fluorescent Orange Fluo Fluo Orange	 933 Rojo Fuego Fluorescente Flame Red Fluorescent Rouge Fluo Fluo Rot	 934 Rojo Rosa Fluorescente Red Pink Fluorescent Rose Fluo Fluo Rosa	 935 Magenta Fluorescente Magenta Fluorescent Magenta Fluo Fluo Magenta	 936 Azul Fluorescente Blue Fluorescent Bleu Fluo Fluo Blau
 937 Verde Fluorescente Green Fluorescent Vert Fluo Fluo Grün	 941 Blanco UV Reactivo Blacklight White UV Reactive Blanc UV Reactive			

Características / Characteristics

Permanencia / Permanence:

AA Muy permanente
Very Permanent

A Permanente
Permanent

B Moderadamente duradero
Moderately durable

Opacidad / Opacity:

□ Transparente
Transparent

■ Semi opaco
Semi-opaque

■ Totalmente opaco
Totally opaque

ASTM clasificación de pigmento /ASTM
pigment classification:

I Muy permanente
Extremely Permanent

II Permanente
Permanent

* Colores de un solo pigmento
/ Single pigment colors

△ No se presentan en tubos de 58,
125 ml.
Not packaged in 58, 125 ml. tubes.

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 ftalocianinas, dioxacinas, pirroles, antraquinonas, quinacridonas, etc.

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 phthalocyanines and naphthols, includes azo compounds, dioxacines and pyrroles, antraquinones and quinacridones, etc.

Ref.	Color Index	Chemical Description	Perm.	Opacity	ASTM	
1	PY3	Arylide Yellow	A	■	II	**
2	PR112, PBK11	Naphthol AS-D	A	■	II	
3	PR146	Naphthol	A	■	-	
4	PB29	Polysulphide of Sodium Alumino Silicate	AA	■	I	
5	PB15:3	Copper Phthalocyanine	AA	■	I	
6	PG7	Chlorinated Copper Phthalocyanine	AA	■	I	
7	PY3, PG7	Arylide, Chlorinated Copper Phthalocyanine	AA	■	II	
8	PY42	Hydrated Synthetic Yellow Iron Oxide	AA	■	I	
9	PY42, PR101	Synthetic Hydrated Yellow Iron Oxide, Synthetic Red Iron Oxide	AA	■	I	
10	PR101	Synthetic Red Iron Oxide	AA	■	I	
11	PW6	Titanium Dioxide Rutile	AA	■	I	
12	PBK11	Synthetic Black Iron Oxide	AA	■	I	
13	PY83	Diarylide Yellow	A	■	I	
14	PV23	Carbazole Dioxazine	A	■	II	
15	PO5	Naphthol	A	■	II	
16	PG8, PY83	Nitroso Iron Complex, Diarylide Yellow	A	■	-	
17	PY42, PR101, PBK7	Synthetic Yellow Iron Oxide, Synthetic Red Iron Oxide, Nearly Pure Amorphous Carbon	AA	■	I	
18	PY42, PR101, PBK7	Synthetic Yellow Iron Oxide, Synthetic Red Iron Oxide, Nearly Pure Amorphous Carbon	AA	■	I	
19	PY42, PR101, PBK7	Synthetic Yellow Iron Oxide, Synthetic Red Iron Oxide, Nearly Pure Amorphous Carbon	AA	■	I	
20	PY42, PR101, PBK7	Synthetic Yellow Iron Oxide, Synthetic Red Iron Oxide, Nearly Pure Amorphous Carbon	AA	■	I	
21	PY83, PW6, PY42	Diarylide Yellow, Titanium Dioxide Rutile, Synthetic Yellow Iron Oxide	AA	■	I	
22	PY3, PY83	Arylide Yellow, Diarylide Yellow	A	■	II	
23	PR122, PW6	Quinacridone, Titanium Dioxide Rutile	AA	■	I	
24	PW6, PB15:3	Titanium Dioxide Rutile, Copper Phthalocyanine	AA	■	I	
25	PB29, PW6	Polysulphide of Sodium Alumino Silicate, Titanium Dioxide Rutile	AA	■	I	
26	PR5, PV23	Naphthol ITR, Carbazole Dioxazine	A	■	II	
27	-	-	-	□	-	
41	PW6	Titanium Dioxide Rutile	AA	■	I	
42	PW6	Titanium Dioxide Rutile	AA	■	I	
43	PY3, PY83	Arylide Yellow, Diarylide Yellow	A	■	II	
44	PW6, PR112, PY3	Titanium Dioxide Rutile, Naphthol AS-D, Arylide Yellow	AA	■	I	
45	PR112, PR101	Naphthol AS-D, Synthetic Red Iron Oxide	A	■	II	
46	PB29, PB15:3, PBK7	Polysulphide of Sodium Alumino Silicate, Copper Phthalocyanine, Nearly Pure Amorphous Carbon	AA	■	I	
47	PB15:3, PG7, PV6	Copper Phthalocyanine, Chlorinated Copper Phthalocyanine, Titanium Dioxide Rutile	AA	■	I	
48	PG7, PY42, PR101	Chlorinated Copper Phthalocyanine, Synthetic Yellow, Yellow Iron Oxide, Synthetic Red Iron Oxide	AA	■	I	**

Estuche Acrylic Studio Acrylic Studio Set



Ref.	Color Index	Chemical Description	Perm.	Opacity	ASTM	
49	PR101, PY42, PBK11	Synthetic Iron Red Oxide, Synthetic Iron Oxide, Synthetic Black Iron Oxide	AA	■	I	
50	PB29, PBK11, PY42	Polysulphide of Sodium Alumino Silicate, Synthetic Black Iron Oxide, Synthetic Iron Yellow Oxide	AA	■	I	
51	PB29, PW6	Polysulphide of Sodium Alumino Silicate, Titanium Dioxide Rutile	AA	■	I	
52	PR112, PW6	Naphthol AS-D, Titanium Dioxide Rutile	AA	■	I	
53	PV19, PW6	Quinacridone, Titanium Dioxide Rutile	AA	■	I	
54	PG7, PW6	Chlorinated Copper Phthalocyanine, Titanium Dioxide Rutile	AA	■	I	
55	PB15:3, PW6	Copper Phthalocyanine, Titanium Dioxide Rutile	AA	■	I	
56	PG17, PW6	Anhydrous Chromium Sesquioxide, Titanium Dioxide Rutile	AA	■	I	
57	PR146, PR122, PW6	Naphthol, Quinacridone, Titanium Dioxide Rutile	AA	■	I	**
58	PB29, PB15, PW6	Polysulphide of Sodium Alumino Silicate, Copper Phthalocyanine, Titanium Dioxide Rutile	AA	■	I	**
59	PY3, PG7, PW6	Arylide Yellow, Chlorinated Copper Phthalocyanine, Titanium Dioxide Rutile	AA	■	II	
60	PY3, PY83, PW6	Arylide Yellow, Diarylide Yellow, Titanium Dioxide Rutile	A	■	II	**
61	PR112, PR101, PY83, PW6	Naphthol AS-D, Synthetic Red Iron Oxide, Diarylide Yellow, Titanium Dioxide Rutile	AA	■	II	
62	PBK11, PY42, PW6	Synthetic Black Iron Oxide, Synthetic Yellow Iron Oxide, Titanium Dioxide Rutile	AA	■	I	**
63	PB15:3, PW6	Copper Phthalocyanine, Titanium Dioxide Rutile	AA	■	I	
930	Fluo	Fluorescent	B	□	-	**
931	Fluo, PR112	Fluorescent, Naphthol AS-D	B	□	II	**
932	Fluo, PR112	Fluorescent, Naphthol AS-D	B	■	II	
933	Fluo, PR112	Fluorescent, Naphthol AS-D	B	■	II	
934	Fluo	Fluorescent	B	■	-	
935	Fluo	Fluorescent	B	■	-	
936	Fluo	Fluorescent	B	■	-	
937	Fluo, PG7	Fluorescent, Chlorinated Copper Phthalocyanine	B	■	II	
938	Mica	Mica	A	■	II	
939	Mica, PBK7	Mica, Nearly Pure Amorphous Carbon	A	■	II	
940	Mica, PR101	Mica, Synthetic Red Iron Oxide	A	■	II	
941	Fluo	Fluorescent	B	□	-	

** No utilizar con aerógrafo. / Do not spray.

