

**PWC** PREMIUM

*extra fine artists water colors*  
*aquarelles extra-fines*



A master expression of superior quality and expertise.  
PWC extra fine water colors for professionals.



**CRIMSON LAKE** 503  
Laca Carmesí  
Laque Cramoisie  
Karmesinlack  
□ ★★★ St PR83 A



**ROSE MADDER** 508  
Laca Granza Rosa  
Laque de Garance Rose  
Krapplack Rosa  
□ ★★★ St PR83 D



**OPERA** 518  
Opera  
Opéra  
Oper  
□ ★ G BR1 B



**BRILLIANT ORANGE** 533  
Naranja Brillante  
Orange Brillant  
Brillantorange  
□ ★★★ St P016 C



**ALIZARIN CRIMSON** 504  
Carmesí Alizarina  
Alizarine Cramoisie  
Alizarinkarmesin  
□ ★★★ St PR23 B



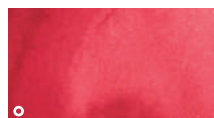
**PYRROLE RED** 510  
Rojo Pirrol  
Rouge de Pyrrole  
Pyrolrot  
□ ★★★ St PR254 B



**CADMIUM RED DEEP** 524  
Rojo de Cadmio Oscuro  
Rouge de Cadmium Foncé  
Kadmiumrot Dunkel  
■ ★★★ St PR108 D



**PERMANENT YELLOW ORANGE** 535  
Amarillo Permanente Naranja  
Jaune Permanent Orangé  
Permanent Gelborange  
□ ★★ PY83 P013 C



**QUINACRIDONE RED** 505  
Rojo Quinacridona  
Rouge Quinacridone  
Quinacridonrot  
□ ★★★ St PV19 B



**PERMANENT RED** 512  
Rojo Permanente  
Rouge Permanent  
Permanentrot  
□ ★★★ St PR209 A



**VERMILION** 527  
Bermellón  
Vermillon  
Zinnoberrot  
■ ★★★ G St PR108 P020 C



**CADMIUM YELLOW ORANGE** 537  
Amarillo de Cadmio Naranja  
Jaune de Cadmium Orangé  
Kadmium Gelborange  
■ ★★★ St PY35 P020 C



**PERMANENT ROSE** 506  
Rosa Permanente  
Rose Permanent  
Permanentrosa  
□ ★★ St PV19 A



**BROWN MADDER** 514  
Pardo de Granza  
Laque de Garance Brune  
Krapplack Braun  
■ ★★ St PR83 PY83 C



**VERMILION HUE** 528  
Bermellón imit.  
Vermillon imit.  
Zinnoberrot imit.  
□ ★★★ St P016 B



**CADMIUM YELLOW DEEP** 538  
Amarillo de Cadmio Oscuro  
Jaune de Cadmium Foncé  
Kadmiumgelb Dunkel  
■ ★★★ St PY35 D



**CARMINE** 507  
Carmin  
Carmin  
Karmin  
□ ★★★ St PR83 B



**SCARLET LAKE** 516  
Laca Escarlata  
Laque Écarlate  
Scharlachlack  
■ ★★ St PR48:1 PR9 A



**CADMIUM RED ORANGE** 531  
Rojo de Cadmio Naranja  
Rouge de Cadmium Orangé  
Kadmium Rotorange  
■ ★★★ G St P020 C



**CADMIUM YELLOW** 540  
Amarillo Cadmio  
Jaune de Cadmium  
Kadmiumgelb  
■ ★★★ St P020 D



**CADMIUM YELLOW LIGHT** 541  
Amarillo Cadmio Claro  
Jaune de Cadmium Clair  
Cadmiumgelb Hell  
☐ ★★★ St PY35 D



**LEMON YELLOW** 553  
Amarillo Limón  
Jaune Citron  
Zitronengelb  
☐ ★★ PY81 A



**OLIVE GREEN** 562  
Verde Oliva  
Vert Olive  
Olivgrün  
☐ ★★ PY83 PG8 B



**CADMIUM GREEN** 569  
Verde Cadmio  
Vert de Cadmium  
Cadmiumgrün  
☑ ★★★ St PG26 PY35 C



**CADMIUM YELLOW PALE** 542  
Amarillo Cadmio Pálido  
Jaune de Cadmium Pâle  
Cadmiumgelb Blass  
☑ ★★★ St PY35 C



**NAPLES YELLOW** 555  
Amarillo de Nápoles  
Jaune de Naples  
Neapelgelb  
■ ★★★ PY35 PW6 A



**CADMIUM GREEN PALE** 563  
Verde Cadmio Pálido  
Vert de Cadmium Pâle  
Cadmiumgrün Blass  
☑ ★★★ PG26 PY35 C



**CADMIUM GREEN DEEP** 570  
Verde Cadmio (Oscuro)  
Vert de Cadmium Foncé  
Cadmiumgrün Dunkel  
☑ ★★★ St PG7 PY35 C



**INDIAN YELLOW** 543  
Amarillo Indio  
Jaune Indien  
Indischgelb  
☐ ★★ PY183 D



**AUREOLIN** 559  
Aureolin  
Auréolin  
Aureolin  
☐ ★★★ PY42 C



**CADMIUM GREEN LIGHT** 565  
Verde Cadmio Claro  
Vert de Cadmium Clair  
Cadmiumgrün Hell  
☑ ★★★ PG7 PY35 D



**SAP GREEN** 589  
Verde Vejiga  
Vert de Vessie  
Saftgrün  
☐ ★★ PG8 C



**PERMANENT YELLOW DEEP** 547  
Amarillo Permanente Oscuro  
Jaune Permanent Foncé  
Permanentgelb Dunkel  
☐ ★★ St PY83 C



**GREENISH YELLOW** 560  
Amarillo Verdoso  
Jaune Verdâtre  
Grünlichgelb  
☐ ★★ G St PY129 D



**PERMANENT GREEN 1** 566  
Verde Permanente 1  
Vert Permanent 1  
Permanentgrün 1  
☐ ★★ PG7 C



**OXIDE OF CHROMIUM** 591  
Óxido de cromo  
Oxyde de Chrome  
Chromoxid  
■ ★★★ PG17 A



**PERMANENT YELLOW LIGHT** 548  
Amarillo Permanente Claro  
Jaune Permanent Clair  
Permanentgelb Hell  
☐ ★★ PY1 A



**TERRE VERTE (YELLOW SHADE)** 561  
Tierra Verde (Tono Amarillo)  
Terre Verte (Nuance Jaune)  
Terre Verde (Gelbton)  
☐ ★★★ PBr7 B



**CADMIUM GREEN MIDDLE** 568  
Verde Cadmio Medio  
Vert de Cadmium Moyen  
Cadmiumgrün Mittel  
☑ ★★★ St PG26 PY35 C



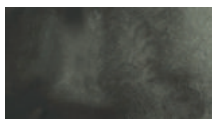
**HOOKE'S GREEN** 575  
Verde de Hooker  
Vert de Hooker  
Hookersgrün  
☐ ★★ St PG8 B



**GREEN DEEP**  
Verde Oscuro  
Vert Foncé  
Grün Dunkel

☑ ★★

PY3 PG7 A



**SHADOW GREEN**  
Verde Sombra  
Vert d'Ombre  
Schattengrün

☑ ★★★

St PBk31 C



**BLUE PALE**  
Azul Pálido  
Bleu Pâle  
Blassblau

■ ★★★

PB15 PW6 C



**CERULEAN BLUE HUE**  
Azul Cerúleo imit.  
Bleu Céruléen imit.  
Cölinblau imit.

☐ ★★

St PB15:3 A



**PHTHALO GREEN DARK**  
Verde Thalo Oscuro  
Vert de Phthalo Foncé  
Phtalgrün Dunkel

☑ ★★★

PG7 PB7 A



**PEACOCK GREEN**  
Verde Pavo Real  
Vert Paon  
Pfauengrün

☑ ★★

St PG7 PB15:3 A



**MARINE BLUE**  
Azul Marino  
Bleu de Mer  
Marinblau

☐ ★★★

St PB15:3 C



**COBALT BLUE**  
Azul de Cobalto  
Bleu de Cobalt  
Kobaltblau

☑ ★★★

G PB28 D



**VIRIDIAN**  
Viridiano  
Vert Émeraude  
Viridian

☐ ★★★

St PG7 C



**COBALT GREEN**  
Verde de Cobalto  
Vert de Cobalt  
Kobaltgrün

■ ★★★

St PY53 PG7 E



**PEACOCK BLUE**  
Azul Pavo Real  
Bleu Paon  
Pfauenblau

☐ ★★

St PB15:3 B



**COBALT BLUE HUE**  
Azul de Cobalto imit.  
Bleu de Cobalt imit.  
Kobaltblau imit.

☐ ★★★

St PB29 A



**VIRIDIAN HUE**  
Viridiano imit.  
Vert Émeraude imit.  
Viridian imit.

☐ ★★★

PG7 A



**TURQUOISE BLUE LIGHT**  
Azul Turquesa Claro  
Bleu Turquoise Clair  
Türkisblau Hell

☑ ★★★

PB28 PW18 PG7 C



**VERDITER BLUE**  
Verditer Azul  
Bleu Verditer  
Verditerblau

■ ★★★

G PB28 PW6 B



**PHTHALO BLUE (RED SHADE)**  
Azul Thalo (Tono Rojo)  
Bleu de Phthalo (Nuance Rouge)  
Phtaloblau (Rotton)

☐ ★★★

St PB29 B



**TERRE VERTE**  
Tierra Verde  
Terre Verte  
Terre Verde

☐ ★★★

PB28 PG8 B



**TURQUOISE BLUE**  
Azul Turquesa  
Bleu Turquoise  
Türkisblau

■ ★★

G PG7 PB28 PW6 C



**CERULEAN BLUE**  
Azul Cerúleo  
Bleu Céruléen  
Cölinblau

☑ ★★★

G PB35 E



**ULTRAMARINE LIGHT**  
Ultramar Claro  
Outremer Clair  
Ultramarin Hell

☐ ★★★

G PB29 B

**ULTRAMARINE DEEP****622**

Ultramar Oscuro  
Outremer Foncé  
Ultramarin Dunkel

☐ ★★★ G PB29 B

**ULTRAMARINE VIOLET****641****NEW**

Violeta Ultramar  
Violet D'outremer  
Ultramarinviolett

☑ ★★★ PV15 B

**BROWN RED****668**

Rojo Castaño  
Rouge Brun  
Braunrot

☐ ★★★ PBr25 B

**RAW UMBER****670**

Tierra de Sombra Natural  
Terre d'Ombre Naturelle  
Umbra Natur

☐ ★★★ G PR101 B

**PRUSSIAN BLUE****625**

Azul de Prusia  
Bleu de Prusse  
Preussischblau

☐ ★★ St PB27 A

**PERMANENT VIOLET****643**

Violeta Permanente  
Violet Permanent  
Permanentviolett

☐ ★★ St PV3 D

**LIGHT RED****663**

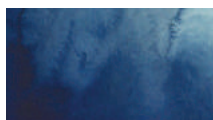
Ocre Rojo Claro  
Rouge Clair  
Rotocker Hell

☑ ★★★ St PR101 A

**RAW SIENNA****671**

Tierra de Siena Natural  
Terre de Sienna Naturelle  
Siena Natur

☐ ★★★ G St PR101 B

**ROYAL BLUE****626**

Azul Real  
Bleu de Roi  
Königsblau

☑ ★★★ St PB15:3 PB66 A

**MINERAL VIOLET****645**

Violeta Mineral  
Violet Minéral  
Mineralviolett

☑ ★★ G PV23 C

**BROWN****667**

Marrón  
Brun  
Braun

☑ ★★ PR101 B

**YELLOW OCHRE****674**

Ocre Amarillo  
Ocre Jaune  
Lichter Ocker

☑ ★★★ PY42 A

**INDIGO****629**

Indigo  
Indigo  
Indigo

☑ ★★ St PB66 A

**COBALT VIOLET LIGHT****647**

Violeta de Cobalto Claro  
Violet de Cobalt Clair  
Kobaltviolett Hell

☐ ★★★ G PV14 E

**BURNT SIENNA****665**

Tierra de Siena Tostada  
Terre de Sienna Brûlée  
Siena Gebrannt

☐ ★★★ PR101 A

**UMBER****677**

Tierra de Sombra  
Terre d'Ombre  
Umbra

☑ ★★★ G PBr7 A

**LAVENDER****631**

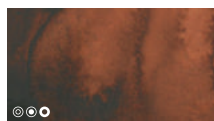
Lavanda  
Lavande  
Lavendel

■ ★★★ G PB28 PV15 PW6 B

**PERMANENT MAGENTA****657**

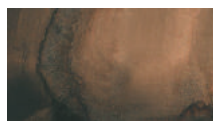
Magenta Permanente  
Magenta Permanent  
Permanentmagenta

☑ ★★★ St PV19 D

**BURNT UMBER****669**

Tierra de Sombra Tostada  
Terre d'Ombre Brûlée  
Umbra Gebrannt

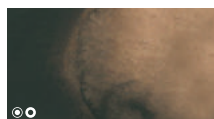
☐ ★★★ G PBr7 B

**VANDYKE BROWN 1****679**

Pardo Vandyke 1  
Brun Van Dyck 1  
Vandyckbraun 1

☐ ★★ G St NB8 B

# TINT



## VANDYKE BROWN 2

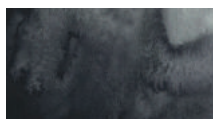
Pardo Vandyke 2  
Brun Van Dyck 2  
Vandyckbraun 2

☑ ★★★

680

NEW

PR101 B



## PAYNE'S GREY

Gris de Payne  
Gris de Payne  
Paynesgrau

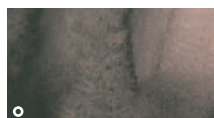
☑ ★★★

St

PB66 PBk31 B

688

NEW



## SEPIA

Sepia  
Sépia  
Sepia

☑ ★★★

G

PR101 PBk11 A

681



## DAVY'S GREY

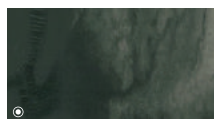
Gris de Davy  
Gris de Davy  
Davy's Grau

■ ★★★

G

St PBk31 PG17 PW6 A

690



## IVORY BLACK

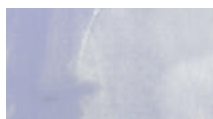
Negro de Marfil  
Noir d'Ivoire  
Elfenbeinschwarz

■ ★★★

G

PBk9 A

683



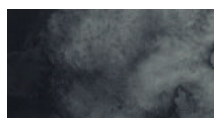
## GREY

Gris  
Gris  
Grau

■ ★★

PBk7 PW6 A

691



## PEACH BLACK

Negro de Melocotón  
Noir de Pêche  
Pfirsichschwarz

■ ★★★

PBk1 B

685



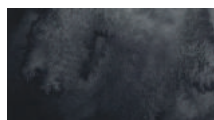
## CHINESE WHITE

Blanco de China  
Blanc de Chine  
Chinesischweiss

■ ★★

PW6 A

693



## NEUTRAL TINT

Tinte Neutra  
Teinte Neutre  
Neutraler Farbton

■ ★★

St

PB66 PBk11 B

687



## TITANIUM WHITE

Blanco de Titanio  
Blanc de Titane  
Titanweiss

■ ★★★

PW6 A

695



## BRILLIANT PINK

Rosa Brillante  
Rose Brillant  
Brillantrosa

■ ★★

St

PR209 PW6 B

519



## SHELL PINK

Rosa Concha  
Rose de Coquille  
Muschelrosa

■ ★★

PR9 PW6 A

521



## JAUNE BRILLIANT 1

Amarillo Brillante 1  
Jaune Brillant 1  
Brillantgelb 1

■ ★★

P020 PY74 PW6 A

557



## JAUNE BRILLIANT 2

Amarillo Brillante 2  
Jaune Brillant 2  
Brillantgelb 2

■ ★★

P020 PW6 A

558



## LEAF GREEN

Verde Hoja  
Vert Feuille  
Blattgrün

☐ ★★

PY74 PG7 PW6 B

564

# 104 COLORS

## Transparency

- |   |  |
|---|--|
| <input type="checkbox"/> Transparent            | <input checked="" type="checkbox"/> Semi-transparent |
| Transparente                                    | Semi-transparente                                    |
| Transparent                                     | Semi-transparent                                     |
| Transparent                                     | Halbtransparent                                      |
| <input checked="" type="checkbox"/> Semi-opaque | <input checked="" type="checkbox"/> Opaque           |
| Semi-opaco                                      | Opaco  |
| Semi-opaque                                     | Opaque   |
| Halbdeckend                                     | Deckend  |

## Lightfastness

- ★★★ High degree of lightfastness  
Alto grado de resistencia a la luz  
Haut degré de résistance à la lumière  
Hoher Lichtechtheitsgrad
- ★★ Normal degree of lightfastness  
Grado normal de resistencia a la luz  
Moyen degré de résistance à la lumière  
Normaler Lichtechtheitsgrad
- ★ Low degree of lightfastness  
Grado mínimo de resistencia a la luz  
Faible degré de résistance à la lumière  
Niedriger Lichtechtheitsgrad

## ASTM

- |               |              |
|---------------|--------------|
| I Excellent   | II Very Good |
| Excelente     | Muy Bueno    |
| Excelente     | Très Bien    |
| Ausgezeichnet | Sehr Gut     |

Tested according to ASTM standard D5067.  
Ratings are listed in Composition and Permanence Table.

## Granulation / Staining

G : Granulating Color  
St : Staining Color

## Price series

- |  |  |
|--|--|
| <b>A Lowest Price</b><br>Precio más bajo<br>Prix le plus bas<br>Niedrigster Preis                                  | <b>B Low Price</b><br>Precio bajo<br>Prix bas<br>Niedriger Preis       |
| <b>C Below Medium Price</b><br>Precio inferior al medio<br>Prix inférieur au prix moyen<br>Unterer mittlerer Preis | <b>D Medium Price</b><br>Precio medio<br>Prix moyen<br>Mittlerer Preis |
| <b>E High Price</b><br>Precio alto<br>Prix élevé<br>Höherer Preis  |  |



**PERMANENT GREEN 2** 567  
Verde Permanente 2  
Vert Permanent 2  
Permanentgrün 2  
□ ★★ PG7 B



**LILAC** 649  
Lila  
Lilas  
Lila  
■ ★★ St PR122 PV23 PW6 A



**EMERALD GREEN NOVA** 583  
Verde Esmeralda Nova  
Vert Véronèse Nova  
Smaragdgrün Nova  
☑ ★★ PG7 PW6 B



**PURPLE GREY** 650  
Gris Púrpura  
Gris Pourpre  
Purpurgrau  
■ ★ PR122 PW6 A



**GREEN PALE** 586  
Verde Pálido  
Vert Pâle  
Blassgrün  
■ ★★ PG7 PW6 A



**BRIGHT VIOLET** 652  
Violeta Luminoso  
Violet Vif  
Leuchtendviolett  
□ ★ G BV11 C



**HORIZON BLUE** 611  
Azul Horizonte  
Bleu d'Horizon  
Horizontblau  
■ ★★ St PB15:4 PW6 A



**BRIGHT ROSE** 654  
Rosa Luminoso  
Rose Vive  
Leuchtend Rosé  
□ ★ BR12 B



**BLUE GREY** 614  
Gris Azul  
Bleu Gris  
Blaugrau  
■ ★★ PB15:3 PW6 A



**15ml**  
All colors  
Todos los Colores  
Toutes les Couleurs  
Alle Farben



# PWC, Extra Fine Water Color

PWC, Extra Fine Water Color are crafted with the highest quality pigments and the finest high-grade gum Arabic. To enhance the clarity and depth of color, single-pigments have been used whenever possible and the usage of mixed pigments has been limited. Using single-pigments, water colors are less prone to fading and the consistency of colors are improved. PWC offers exceptional clarity and transparency that artists desire, along with superior lightfastness to resist fading. PWC is ideal for spread techniques and color overlapping, bringing out the best in water color paper. The color palette now includes 20 additional colors of exceptional characteristics, for a total of 104 colors that are transparent and subtle, yet intense and vibrant, allowing for an even greater freedom of expression.

*PWC, "Extra Fine Artists" color de agua se hacen a mano con los pigmentos de alta calidad y el más fino alto grado de goma arábica. Para mejorar la claridad y la profundidad de color, se ha utilizado solo pigmentos siempre que sea posible y el uso de pigmentos mixtos ha sido limitado. Usando solo-pigmentos, los colores de agua son menos propensos a la decoloración y la consistencia de los colores mejora. PWC ofrece una claridad excepcional y la transparencia que los artistas desean, junto con una resistencia a la luz superior para evitar la decoloración. PWC es ideal para las técnicas de propagación y de color superpuestas, para obtener lo mejor en papel de acuarela. La paleta de colores incluye ahora 20 colores adicionales de características excepcionales, para un total de 104 colores que son transparentes y sutiles, pero intensos y vibrantes, lo que permite una mayor libertad de expresión.*

*PWC, Extrafeine Künstler-Aquarellfarben bestehen aus Pigmenten höchster Qualität und dem feinsten hochgradigen Gummi Arabicum. Um die Klarheit und Tiefe der Farben zu steigern, wurden Einzel-Pigmente verwendet, wo immer es möglich ist und der Einsatz von Pigment-Mischungen wurde begrenzt.*

*Durch diese Einzel-Pigmente neigen Aquarellfarben weniger zum Ausbleichen und die Dauerhaftigkeit der Farben wird verbessert. PWC bietet die besondere Klarheit und Transparenz, welche Künstlern benötigen, zusammen mit höchstmöglicher Lichtbeständigkeit, um das Verblassen der Farben zu vermeiden.*

*PWC ist ideal für Nass-in-Nass Techniken und überlappende Farben um die besten Möglichkeiten aus Aquarellfarben zu holen. Die Farbpalette umfasst mit neuen 20 zusätzlichen Farben in besonderer Charakteristik jetzt 104 Farben, welche transparent und subtil, gleichzeitig auch intensiv und lebhaft sind – mit dem Ziel einer breiten Freiheit des künstlerischen Ausdrucks.*

## The Evolution of a Legend. PWC, Extra Fine Water Color 104 colors!

### Packaging

#### Singles

- PWC, EXTRA FINE WATER COLOR Tube 15 ml  
Available in all 104 colors

#### Sets

- PWC, EXTRA FINE WATER COLOR 6 A SET  
Contents: 6 x 15 ml tubes
- PWC, EXTRA FINE WATER COLOR 6 B SET  
Contents: 6 x 15 ml tubes
- PWC, EXTRA FINE WATER COLOR 24 SET  
Contents: 24 x 15 ml tubes
- PWC, EXTRA FINE WATER COLOR 32 SET  
Contents: 32 x 15 ml tubes



PWC, EXTRA FINE WATER COLOR  
6 TUBE A SET

PWC, EXTRA FINE WATER COLOR  
6 TUBE B SET

PWC, EXTRA FINE WATER COLOR  
24 TUBE SET

PWC, EXTRA FINE WATER COLOR  
32 TUBE SET



# Composition and Permanence Table


No.	Color Name	Series	Lightfastness	ASTM	Transparency	Granulation	Staining	Chemical Description	Pigment(S) [C.I.Name]
RED									
503	CRIMSON LAKE	A	★★		□		St	1, 2-dihydroxyanthraquinone lake	PR83
504	ALIZARIN CRIMSON	B	★★★	N/A	□		St	Naphthol AS	PR23
505	QUINACRIDONE RED	B	★★★	I	□		St	Quinacridone	PV19
506	PERMANENT ROSE	A	★★	I	□		St	Quinacridone	PV19
507	CARMINE	B	★★★		□		St	1, 2-dihydroxyanthraquinone lake	PR83
508	ROSE MADDER	D	★★★		□		St	1, 2-dihydroxyanthraquinone lake	PR83
510	PYRROLE RED	B	★★★	N/A	□		St	Diketo-pyrrolo-pyrrole	PR254
512	PERMANENT RED	A	★★★	II	□		St	Quinacridone	PR209
514	BROWN MADDER	C	★★		☒		St	1, 2-dihydroxyanthraquinone lake	PR83
				N/A				Diarylide	PY83
516	SCARLET LAKE	A	★★	N/A	☒		St	Monoazo	PR48:1
								Naphthol AS	PR9
518	OPERA	B	★	N/A	□	G		Rhodamine 6G	BR1
524	CADMIUM RED DEEP	D	★★★	I	■		St	Cadmium sulphoselenide	PR108
YELLOW RED									
527	VERMILION	C	★★★	I	☒	G	St	Cadmium sulphoselenide	PR108
				I					PO20
528	VERMILION HUE	B	★★★	N/A	□		St	Disazopyrazolone	PO16
531	CADMIUM RED ORANGE	C	★★★	I	■	G	St	Cadmium sulphoselenide	PO20
533	BRIGHT ORANGE	C	★★★	N/A	□		St	Disazopyrazolone	PO16
535	PERMANENT YELLOW ORANGE	C	★★	N/A	□			Diarylide	PY83
				N/A				Disazopyrazolone	PO13
537	CADMIUM YELLOW ORANGE	C	★★★	I	■		St	Cadmium zinc sulphide	PY35
				I				Cadmium sulphoselenide	PO20
YELLOW									
538	CADMIUM YELLOW DEEP	D	★★★	I	■		St	Cadmium zinc sulphide	PY35
540	CADMIUM YELLOW	D	★★★	I	■		St	Cadmium sulphoselenide	PO20
541	CADMIUM YELLOW LIGHT	D	★★★	I	■		St	Cadmium zinc sulphide	PY35
542	CADMIUM YELLOW PALE	C	★★★	I	■		St	Cadmium zinc sulphide	PY35
543	INDIAN YELLOW	D	★★	N/A	□			Monoazo	PY183
547	PERMANENT YELLOW DEEP	C	★★	N/A	□		St	Diarylide	PY83
548	PERMANENT YELLOW LIGHT	A	★★		□			Arylide yellow G	PY1
553	LEMON YELLOW	A	★★	N/A	■			Diarylide	PY81
555	NAPLES YELLOW	A	★★★	I	■			Cadmium zinc sulphide	PY35
				I				Titanium dioxide	PW6
559	AUREOLIN	C	★★★	I	□			Synthetic iron oxide	PY42
GREEN YELLOW									
560	GREENISH YELLOW	D	★★	N/A	□	G	St	Azomethine copper complex	PY129
561	TERRE VERTE(YELLOW SHADE)	B	★★★	I	□			Natural iron oxide	PBr7
562	OLIVE GREEN	B	★★	N/A	□			Diarylide	PY83
								Nitroso iron complex	PG8
563	CADMIUM GREEN PALE	C	★★★	N/A	■			Cobalt chromium oxide	PG26
				I				Cadmium zinc sulphide	PY35
565	CADMIUM GREEN LIGHT	D	★★★	I	■			Chlorinated copper phthalocyanine	PG7
				I				Cadmium zinc sulphide	PY35
566	PERMANENT GREEN 1	C	★★	I	□			Chlorinated copper phthalocyanine	PG7
GREEN									
568	CADMIUM GREEN MIDDLE	C	★★★	N/A	■		St	Cobalt chromium oxide	PG26
				I				Cadmium zinc sulphide	PY35
569	CADMIUM GREEN	C	★★★	N/A	■		St	Cobalt chromium oxide	PG26
				I				Cadmium zinc sulphide	PY35
570	CADMIUM GREEN DEEP	C	★★★	I	■		St	Chlorinated copper phthalocyanine	PG7
				I				Cadmium zinc sulphide	PY35
589	SAP GREEN	C	★★		□			Nitroso iron complex	PG8

No.	Color Name	Series	Lightfastness	ASTM	Transparency	Granulation	Staining	Chemical Description	Pigment(S) [C.I.Name]
591	OXIDE OF CHROMIUM	A	★★★	I	■			Chromium oxide	PG17
575	HOOKE'S GREEN	B	★★		□		St	Nitroso iron complex	PG8
577	GREEN DEEP	A	★★	II	☒			Arylide yellow 10G	PY3
				I				Chlorinated copper phthalocyanine	PG7
580	PHTHALO GREEN DARK	A	★★★	I	☑			Chlorinated copper phthalocyanine	PG7
				I				Natural iron oxide	PBr7
BLUE GREEN									
581	VIRIDIAN	C	★★★	I	□		St	Chlorinated copper phthalocyanine	PG7
582	VIRIDIAN HUE	A	★★★	I	□			Chlorinated copper phthalocyanine	PG7
592	TERRE VERTE	B	★★★	I	□			Cobalt aluminate	PB28
								Nitroso iron complex	PG8
593	SHADOW GREEN	C	★★★	N/A	☒		St	Perylene	PBk31
584	PEACOCK GREEN	A	★★	I	☒		St	Chlorinated copper phthalocyanine	PG7
				N/A				Beta copper phthalocyanine	PB15:3
579	COBALT GREEN	E	★★★	I	■		St	Nickel titanate	PY53
				I				Chlorinated copper phthalocyanine	PG7
BLUE									
597	TURQUOISE BLUE LIGHT	C	★★★	I	☑			Cobalt aluminate	PB28
				N/A				Calcium carbonate	PW18
				I				Chlorinated copper phthalocyanine	PG7
598	TURQUOISE BLUE	C	★★	I	■	G		Chlorinated copper phthalocyanine	PG7
				I				Cobalt aluminate	PB28
				I				Titanium dioxide	PW6
600	BLUE PALE	C	★★★	I	■			Copper phthalocyanine	PB15
				I				Titanium dioxide	PW6
603	MARINE BLUE	C	★★★	N/A	□		St	Beta copper phthalocyanine	PB15:3
609	PEACOCK BLUE	B	★★	N/A	□		St	Beta copper phthalocyanine	PB15:3
615	VERDITER BLUE	B	★★★	I	■	G		Cobalt aluminate	PB28
				I				Titanium dioxide	PW6
616	CERULEAN BLUE	E	★★★	I	☑	G		Cobalt stannate	PB35
617	CERULEAN BLUE HUE	A	★★	N/A	□		St	Beta copper phthalocyanine	PB15:3
PURPLE BLUE									
618	COBALT BLUE	D	★★★	I	☒	G		Cobalt aluminate	PB28
619	COBALT BLUE HUE	A	★★★	I	□		St	Sodium polysulphide aluminosilicate	PB29
620	PHTHALO BLUE(RED SHADE)	B	★★★	I	□		St	Sodium polysulphide aluminosilicate	PB29
621	ULTRAMARINE LIGHT	B	★★★	I	□	G		Sodium polysulphide aluminosilicate	PB29
622	ULTRAMARINE DEEP	B	★★★	I	□	G		Sodium polysulphide aluminosilicate	PB29
625	PRUSSIAN BLUE	A	★★	I	□		St	Ferric ferrocyanide	PB27
626	ROYAL BLUE	A	★★★	N/A	☑		St	Beta copper phthalocyanine	PB15:3
								Synthetic indigo	PB66
629	INDIGO	A	★★		☑		St	Synthetic indigo	PB66
631	LAVENDER	B	★★★	I	■	G		Cobalt aluminate	PB28
				I				Sodium polysulphide aluminosilicate	PV15
				I				Titanium dioxide	PW6
PURPLE									
641	ULTRAMARINE VIOLET	B	★★	I	☑			Sodium polysulphide aluminosilicate	PV15
643	PERMANENT VIOLET	D	★★	N/A	□		St	Triarylcarbonium	PV3
645	MINERAL VIOLET	C	★★		☒	G		Dioxazine	PV23
647	COBALT VIOLET LIGHT	E	★★★	I	□	G		Cobalt phosphate	PV14
RED PURPLE									
657	PERMANENT MAGENTA	D	★★★	I	☒		St	Quinacridone	PV19
BROWN									
668	BROWN RED	B	★★★	N/A	□			Benzimidazolone	PBr25
663	LIGHT RED	A	★★★	I	☒		St	Synthetic iron oxide	PR101
667	BROWN	B	★★	I	☒			Synthetic iron oxide	PR101



No.	Color Name	Series	Lightfastness	ASTM	Transparency	Granulation	Staining	Chemical Description	Pigment(S) [C.I.Name]
665	BURNT SIENNA	A	★★★	I	□			Synthetic iron oxide	PR101
670	BURNT UMBER	B	★★★	I	□	G		Natural iron oxide	PBr7
669	RAW UMBER	B	★★★	I	□	G		Synthetic iron oxide	PR101
671	RAW SIENNA	B	★★★	I	□	G	St	Synthetic iron oxide	PR101
674	YELLOW OCHRE	A	★★★	I	■			Synthetic iron oxide	PY42
677	UMBER	A	★★★	I	■	G		Natural iron oxide	PBr7
679	VANDYKE BROWN 1	B	★★	N/A	□	G	St	Vandyke Brown	NBr8
680	VANDYKE BROWN 2	B	★★★	I	■			Synthetic iron oxide	PR101
681	SEPIA	A	★★★	I	■	G		Synthetic iron oxide	PR101
				N/A					PBk11
BLACK/WHITE									
683	IVORY BLACK	A	★★★	I	■	G		Bone black	PBk9
685	PEACH BLACK	B	★★★	N/A	■			Aniline black	PBk1
687	NEUTRAL TINT	B	★★		■		St	Synthetic indigo	PB66
				N/A				Synthetic iron oxide	PBk11
688	PAYNE'S GREY	B	★★		■		St	Synthetic indigo	PB66
				N/A				Perylene	PBk31
690	DAVY'S GREY	A	★★★	N/A	■	G	St	Perylene	PBk31
				I				Chromium oxide	PG17
				I				Titanium dioxide	PW6
691	GREY	A	★★	I	■			Lamp black	PBk7
				I				Titanium dioxide	PW6
693	CHINESE WHITE	A	★★	I	■			Titanium dioxide	PW6
695	TITANIUM WHITE	A	★★★	I	■			Titanium dioxide	PW6
TINT									
519	BRILLIANT PINK	B	★★	II	■		St	Quinacridone	PR209
				I				Titanium dioxide	PW6
521	SHELL PINK	A	★★		■			Naphthol AS	PR9
				I				Titanium dioxide	PW6
557	JAUNE BRILLIANT 1	A	★★	I	■			Cadmium sulphoselenide	PO20
				I				Arylide yellow 5GX	PY74
				I				Titanium dioxide	PW6
558	JAUNE BRILLIANT 2	A	★★	I	■			Cadmium sulphoselenide	PO20
				I				Titanium dioxide	PW6
564	LEAF GREEN	B	★★		□			Arylide yellow 5GX	PY74
				I				Chlorinated copper phthalocyanine	PG7
				I				Titanium dioxide	PW6
567	PERMANENT GREEN 2	B	★★	I	□			Chlorinated copper phthalocyanine	PG7
583	EMERALD GREEN NOVA	B	★★	I	■			Chlorinated copper phthalocyanine	PG7
				I				Titanium dioxide	PW6
586	GREEN PALE	A	★★	I	■			Chlorinated copper phthalocyanine	PG7
				I				Titanium dioxide	PW6
611	HORIZON BLUE	A	★★	N/A	■		St	Beta copper phthalocyanine	PB15:4
				I				Titanium dioxide	PW6
614	BLUE GREY	A	★★	N/A	■			Beta copper phthalocyanine	PB15:3
				I				Titanium dioxide	PW6
649	LILAC	A	★★		■		St	Quinacridone	PR122
				I				Dioxazine	PV23
				I				Titanium dioxide	PW6
650	PURPLE GREY	A	★		■			Quinacridone	PR122
				I				Titanium dioxide	PW6
652	BRIGHT VIOLET	C	★	N/A	□	G		Xanthene	BV11
654	BRIGHT ROSE	B	★		□			Naphthol AS	BR12

# Label Information

Barcode		
ACMI Mark		
No.	505	PIGMENT(S) [Color Index Name]
Color Name	QUINACRIDONE RED	Transparency
	505 SERIES [B] Lightfastness ★★★★★	Lightfastness
	RED	Series

## Product Description

### PWC, Extra Fine Water Color for discerning professionals

The pigments used for PWC have been carefully selected with the science of optics, delivering colors that will maintain their brightness and clarity over time.

*PWC, Extra Fine color de agua para los profesionales más exigentes Los pigmentos utilizados por PWC han sido cuidadosamente seleccionados con la ciencia de la óptica, la entrega de colores que mantienen su brillo y claridad a través del tiempo.*

*Die für PWC verwendeten Pigmente wurden sorgsam nach bestem Wissen ausgesucht, um Farben zu bieten, welche Ihre Leuchtkraft und Klarheit über lange Zeit behalten.*

### Cobalt and Cadmium Series

PWC, Extra Fine Water Color are highly lightfast through the selection and use of only inorganic pigments that are resistant to fading from exposure to light, temperature variations and acidity.

*PWC, Extra color Fine Agua artistas son altamente resistentes a la luz a través de la selección y el uso de sólo pigmentos inorgánicos que son resistentes a la decoloración por la exposición a variaciones de luz de temperatura y acidez*

*PWC, Extrafeine Künstler-Aquarellfarben sind höchstgradig lichtecht durch die Auswahl und Verwendung ausschließlich anorganischer Pigmente, welche resistent gegen das Ausbleichen durch Licht, Temperaturänderungen und Säuren sind.*

### Degree of Lightfastness & Permanence

Testing instrumentation in the field of color preservation science, the Fade-O-Meter, has been used to conduct discoloration tests on all ShinHan Colors. The Degree of lightfastness is displayed on the labels. The lightfastness is also tested according to ASTM standard D5067. ASTM lightfastness ratings are listed in Composition and Permanence Table.

*Prueba de la instrumentación en el campo de la ciencia de preservación del color, "Fade-O-Meter", ha sido utilizado para realizar pruebas de decoloración en todos los colores Shinhan. El grado de resistencia a la luz aparece en las etiquetas. La resistencia a la luz también se testa según la norma ASTM D5067. Las clasificaciones ASTM de resistencia a la luz aparecen en la Tabla de Composición y Permanencia.*

*Test Instrumente aus dem Bereich der Farberhaltung, sogenannte Fade-O-Meter, wurden eingesetzt, um Entfärbung tests bei allen ShinHan Farben durchzuführen. Der Grad der Lichtbeständigkeit ist auf den Produkten abgebildet. Die Lichtechtheit wurde ebenfalls entsprechend dem ASTM-Standard D5067 getestet. Bewertungen der ASTM-Lichtechtheit werden in Zusammensetzung und Dauerhaftigkeits Tabellen aufgelistet.*

### Transparency & Opacity

The classification for transparency and opacity for PWC are marked with the following symbols:

☐ Transparent ☒ Semi-Transparent ☒ Semi-Opaque ☒ Opaque

*La clasificación para la transparencia y la opacidad de PWC están marcados con los siguientes símbolos:*

☐ Transparente ☒ Semi-Transparente ☒ Semi-Opaco ☒ Opaco

*Die Klassifikation für Transparenz und Opazität für PWC ist mit den folgenden Symbolen gekennzeichnet:*

☐ Transparent ☒ Halbtransparent ☒ Halbdeckend ☒ Deckend

### PIGMENT(S) [C.I.Name]

International classification numbers for pigments are given.

*La clasificación de los números internacionales de los pigmentos se da.*

*Internationale Klassifikations-Nummern für Pigmente.*

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