Pigments suitable for Ceramics

Unless stated otherwise, the following pigments are stable for temperatures up to 1000 °C. As glazes and enamels can be very different in composition, all colors should be tested for stability before use. We definitely recommend tests prior to the final application.

Kremer-made and historic pigments

10000 Smalt, standard grind
10010 Smalt, extra fine grind
10060 Egyptian Blue *(stable up to 950 °C)*
10071 – 10072 Han blue
10100 Lead Tin Yellow, light
10110 Lead Tin Yellow, dark
10120 Lead Tin Yellow II
10150 Pinkcolor
10154 Pinkcolor dark

IWA-ENOGU Colors from Japan *- all Glass powders (15221-15311) are suitable*

Coloured Glass Powders *- all suitable, transforming temperature approximately 460-500 °C, expansion coefficient: 96+/-4 x 10^{-7} K*

Earth Colors *- all suitable, but may change hue*

40010-40090 French Ochres
40200 Ochre AVANA, greenish yellow
40214 Gold Ochre DD
40215 Gelber Ocker SA
40220 Italian Gold Ochre Light
40231 Brown Ochre light
40241 Fawn Ochre
40260 Satin Ochre
40280 Amberg Yellow
40301 Iron Oxide Ochre
40310 Dark Ochre German
40320 Dark Ochre Italian
40392 Raw Sienna, French
40400 Raw Sienna, Italian
40404 Raw Sienna Badia
40410 Raw Sienna, brownish
40420 Siena gebrannt HO
40430 Dark Burnt Sienna
40440 Pompeii Red, burnt natural sienna
40470 Burnt Sienna, from France
40490 Rosso Sartorius, natural
40510 Venetian Red
40542 English Red Light
40545 English Red Dark
40610 Raw Umber, from Cyprus
40611 Raw Umber, light, from Cyprus
40612 Raw Umber, greenish, from Italy
40623 Manganese Brown Intense
40630 Raw Umber, greenish dark
40650 Chromite
40660 Raw Umber, dark
40700 Burnt Umber reddish
40710 Burnt Umber, brownish
40720 Burnt Umber, dark brown
40723 Burnt Umber, type B
40730 Burnt Umber Light, reddish-brown
40810 Bohemian Green Earth
40821 Green Earth from Verona
40850 Burnt Green Earth

Red Pigments

42060 Zirconium Red *(stable up to 1300 °C)*
42400 YInTiCo-Red *(stable up to 680°C)*

Yellow Pigments

43200 Nickel-Titanium Yellow *(stable up to 500 °C)*
43210 Nickel-Titanium Yellow *(stable up to 500 °C)*
43300 Titanium Orange *(stable up to 500 °C)*
43500 Cobalt Yellow *(change of color → blue!)*
43870 Yellow Zircon
43880 Intensive Yellow *(stable up to 1250 °C)*

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Green Pigments

44101 Cobalt Green PG 50 *(stable up to 800 °C)*
44105 Cobalt Green PG 50 bluish *(stable up to 800 °C)*
44110 Cobalt Oxide Green Blue *(stable up to 500 °C)*
44130 Cobalt Bottle Green *(stable up to 1250 °C)*
44140 Silva Green *(stable up to 800 °C)*
44151 Cobalt Green, bluish A
44190 Pastel Green, Victoria Green
44200 Chrome Oxide Green

Blue Pigments

45400 Zirconium Cerulean Blue *(stable up to 1250 °C)*
45700 Cobalt Blue Dark *(stable up to 500 °C)*
45701 Cobalt Blue Dark, greenish *(stable up to 500 °C)*
45702 Cobalt Blue, Sapporo
45710 Cobalt Blue Medium
457141 Cobalt Blue, pale blue *(stable up to 1250 °C)*
45720 Cobalt Blue Light
45730 Cobalt Cerulean Blue
45740 Cobalt Blue Greenish *(stable up to 500 °C)*
45750 Cobalt Turquoise Light
45760 Cobalt Turquoise Dark

White Pigments

46200 Titanium White
46280 Buff Titanium *(may change hue)*
46360 Kremer White (Zirconium silicate)

Black Pigments

47400 Spinel Black *(stable up to 500 °C)*
47420 Spinel Black No. 42 *(stable up to 500 °C)*
47430 Spinel Black No. 43 *(stable up to 500 °C)*
47501 Manganese Black
47510 Manganese Gray *(stable up to 500 °C)*
48447 Iron Oxide Black *(stable up to 900°C)*

Iron Oxide Pigments - *all suitable, but may change hue*

Spinel Pigments

49700 Haematite-Chrome Oxide *(stable up to 500 °C)*

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