

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

### IWA-ENOGU Colors from Japan

- all Glass powders (15221-15311) are suitable

### Coloured Glass Powders

- all suitable, Melting point approximately 750 °C, expansion coefficient: 96+/-2

### Earth Colors

- all suitable, but may change hue

40010-40090 French Ochres	40490 Rosso Sartorius, natural
40195 Gold Ochre, from Poland	40510 Venetian Red
40200 Ochre AVANA, greenish yellow	40542 English Red Light
40214 Gold Ochre DD	40545 English Red Dark
40220 Italian Gold Ochre Light	40610 Raw Umber, from Cyprus
40231 Brown Ochre light	40611 Raw Umber, light, from Cyprus
40241 Fawn Ochre	40612 Raw Umber, greenish, from Italy
40260 Satin Ochre	40623 Manganese Brown Intense
40280 Amberg Yellow	40630 Raw Umber, greenish dark
40301 Iron Oxide Ochre	40650 Chromite
40310 Dark Ochre German	40660 Raw Umber, dark
40320 Dark Ochre Italian	40700 Burnt Umber reddish
40392 Raw Sienna, French	40710 Burnt Umber, brownish
40400 Raw Sienna, Italian	40720 Burnt Umber, dark brown
40404 Raw Sienna Badia	40723 Burnt Umber, type B
40410 Raw Sienna, brownish	40730 Burnt Umber Light, reddish-brown
40430 Dark Burnt Sienna	40810 Bohemian Green Earth
40440 Pompeii Red, burnt natural sienna	40821 Green Earth from Verona
40470 Burnt Sienna, from France	40850 Burnt Green Earth

### Yellow Pigments

43125 Naples Yellow, dark	43300 Titanium Orange ( <i>stable up to 500 °C</i> )
43200 Nickel-Titanium Yellow ( <i>stable up to 500 °C</i> )	43500 Cobalt Yellow ( <i>change of color → blue!</i> )
43210 Nickel-Titanium Yellow ( <i>stable up to 500 °C</i> )	43870 Yellow Zircon
43230 Praseodym Yellow	43880 Intensive Yellow ( <i>stable up to 1250 °C</i> )

### Green Pigments

44101 Cobalt Green PG 50 ( <i>stable up to 800 °C</i> )	44130 Cobalt Bottle Green ( <i>stable up to 1250 °C</i> )
44105 Cobalt Green PG 50 bluish ( <i>stable up to 800 °C</i> )	44151 Cobalt Green, bluish A
44110 Cobalt Oxide Green Blue ( <i>stable up to 500 °C</i> )	44200 Chrome Oxide Green

**Blue Pigments**

45350 Manganese Violet ( <i>stable up to 850 °C</i> )	457141 Cobalt Blue, pale blue
45400 Zirconium Cerulean Blue ( <i>stable up to 1250 °C</i> )	45720 Cobalt Blue Light
45700 Cobalt Blue Dark ( <i>stable up to 500 °C</i> )	45730 Cobalt Cerulean Blue
45701 Cobalt Blue Dark, greenish ( <i>stable up to 500 °C</i> )	45740 Cobalt Blue Greenish ( <i>stable up to 500 °C</i> )
45702 Cobalt Blue, Sapporo	45750 Cobalt Turquoise Light
45710 Cobalt Blue Medium	45760 Cobalt Turquoise Dark

**White Pigments**

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

**Black Pigments**

47400 Spinel Black ( <i>stable up to 500 °C</i> )	47501 Manganese Black
47410 Spinel Gray ( <i>stable up to 540 °C</i> )	47510 Manganese Gray ( <i>stable up to 500 °C</i> )
47420 Spinel Black No. 42 ( <i>stable up to 500 °C</i> )	48447 Iron Oxide Black ( <i>stable up to 900°C</i> )
47430 Spinel Black No. 43 ( <i>stable up to 500 °C</i> )	

**Iron Oxide Pigments**

- all suitable, but may change hue

**Spinel Pigments**

49700 Haematite-Chrome Oxide ( <i>stable up to 500 °C</i> )
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**Translucent Iron Oxides**

- stable up to 160 °C

**Phosphorescent Pigments**

56500 Phosphorescent Pigment Green	56550 Phosphorescent Pigment Blue
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