

Pigments for silicate dispersions

Potassium silicate and other silicate dispersions can react with quartz powder and other silicate based material or with metal oxides. The chemical reaction leads to an enormous stability of the silicate coating. Many earth pigments do contain reactive silicate minerals. In some cases, these minerals will react so fast with the silicate binder that the paint hardens before it can be used. Therefore earth pigments always have to be tested before use. The stability and resistance to abrasion of the paint will depend on the support, the pigment, the fillers and the mixing ratio. We definitely recommend tests prior to the final application, we cannot guarantee for any instructions given. All silicate paints have to be used immediately, because they are not stable in storage.

Kremer-made Pigments

11200 Green Jasper	11356 Gray from Mels
11250 Celadonite	11390 – 11392 Jade
11282 Nero Bernino	11400 Rock Crystal
11283 Alba Albula	11401 Rock Crystal, fine
11300 Red Jasper	11420 – 11421 Fuchsite
11312 Thulit	11550 Snaefellsjoekull Red
11350 Côte d'Azur Violet	11551 Heydalsvegur Yellow
11354 Slate Green from Mels	11674 Obsidian Black

XSL-Pigments

26000 XSL Titanium White	26140 XSL Translucent Red
26100 XSL Bismuth Vanadate Yellow	26400 XSL Cobalt Blue
26120 XSL Translucent Yellow	

Kremer Color Pastes

27000 Titanium White	27500 Iron Oxide Black
27400 Iron Oxide Brown 610	

Fine Colored Glass Pigments

All suitable. Glass powders can be used as fillers instead of quartz powders.

Earth Pigments

The use of earth pigments in silicate binders should always be subject to tests prior to application. Please note that the composition of the earth can vary from batch to batch. This could lead to unexpected reactions of the earth with the binding medium.

17020 Persian Yellow	
40010 – 40090 French Ochres	40470 Burnt Sienna, from France
40130 French Ochre SAHARA	40490 Rosso Sartorius
40195 Gold Ochre, from Poland	40542 English Red Light
40214 Gold Ochre DD	40545 English Red Deep
40241 Fawn Ochre	40610 Raw Umber, from Cyprus
40280 Amberg Yellow	40630 Raw Umber, greenish dark
40392 Raw Sienna, French	40650 Chromite
40400 Raw Sienna, Italian	40710 Burnt Umber, brownish
40404 Raw Sienna Badia, Italian	40720 Burnt Umber, dark brown
40430 Dark Burnt Sienna	40723 Burnt Umber, type B
40440 Pompeii Red	49850 Burnt Green Earth

Yellow Pigments

43200 Nickel-Titanium Yellow	43340 Hokkaido-Orange
43210 Nickel-Titanium Yellow, greenish	43870 Yellow Zircon
43230 Praseodym Yellow	43880 Intensive Yellow
43300 Titanium Orange	43915 – 43920 Bismuth-Vanadate Yellow

Green Pigments

44100 – 44130 Cobalt Green	44200 – 44204 Chrome Oxide Green
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Blue Pigments

45400 Zirconium Cerulean Blue	45720 Cobalt Blue Light
45700 Cobalt Blue Dark	45730 Cobalt Cerulean Blue
45701 Cobalt Blue Dark, greenish	45740 Cobalt Blue, greenish
45702 Cobalt Blue, Sapporo	45750 Cobalt Blue Turquoise Light
45710 Cobalt Blue Medium	45760 Cobalt Blue Turquoise Dark
457141 Cobalt Blue Pale	

White Pigments

46200 Titanium White Rutile	
46280 Buff Titanium	46360 Kremer White

Black Pigments

47324 Basalt Black	47501 Manganese Black
47380 – 47430 Spinel Black	47510 Manganese Gray

Iron Oxide Pigments

48000 – 48800, 48933 – *suitable*.

Spinel Pigments

All suitable.

Pearlescent Pigments

All suitable.

Translucent Pigments

All suitable.

Mica

53050 Mica White	
53100 Mica Fine	53220 Biotite, fine
53210 Phlogopite Mica Silver-Gray	53221 Biotite, coarse

Mineral Fillers

58610 – 58678 Quartz Powder and -sand
58685 – 58688 Quarzite Orange
58689 – 58694 Cristobalite Powder and -sand

Glass Powders

59821 Glass Powder in Beads	59831 Glass Beads, fine
59825 Glass Powder in Beads, very fine	59851 – 59852 Glass Flakes, fine