

Technical Information

PS03

Performance Pigments and Colors

Inorganic Pigments for Artist Colours

In the paints and plastics industry Ferro's Pigments and Special Products unit is world-famous for its high-quality colouring products. The production, technical advice, and development of these pigments are located at our sites in Colditz and Frankfurt a.M.

Our pigments obtain their extraordinary properties through a combination of special manufacturing processes. These pigments are chemically inert and have excellent heat and weathering resistance, lightfastness, and opacity.

These special qualities were already valued in the past by famous artists. The pigments are suitable for the processing with all binders. They can be used in a variety of different applications like oil-, water-, acrylic and gouache colours as well as in pastel chalks and as pure pigment.

Ferro offers you a balanced colour assortment which covers the colour space with translucent and covering pigments. The pigments feature a high colour brilliance and complete the professional pallet of artists with intense and lightproof shades.



Due to the solid state reaction and, if necessary, a subsequent washing process, most pigments meet the high demands **for heavy metal release**.

The following data applies to all pigments mentioned in this brochure:

Volatile components < 0,5 %

Heat stability > 500 °C

Lightfastness > 7 (Blue Wool Scale)

Migration stability = excellent

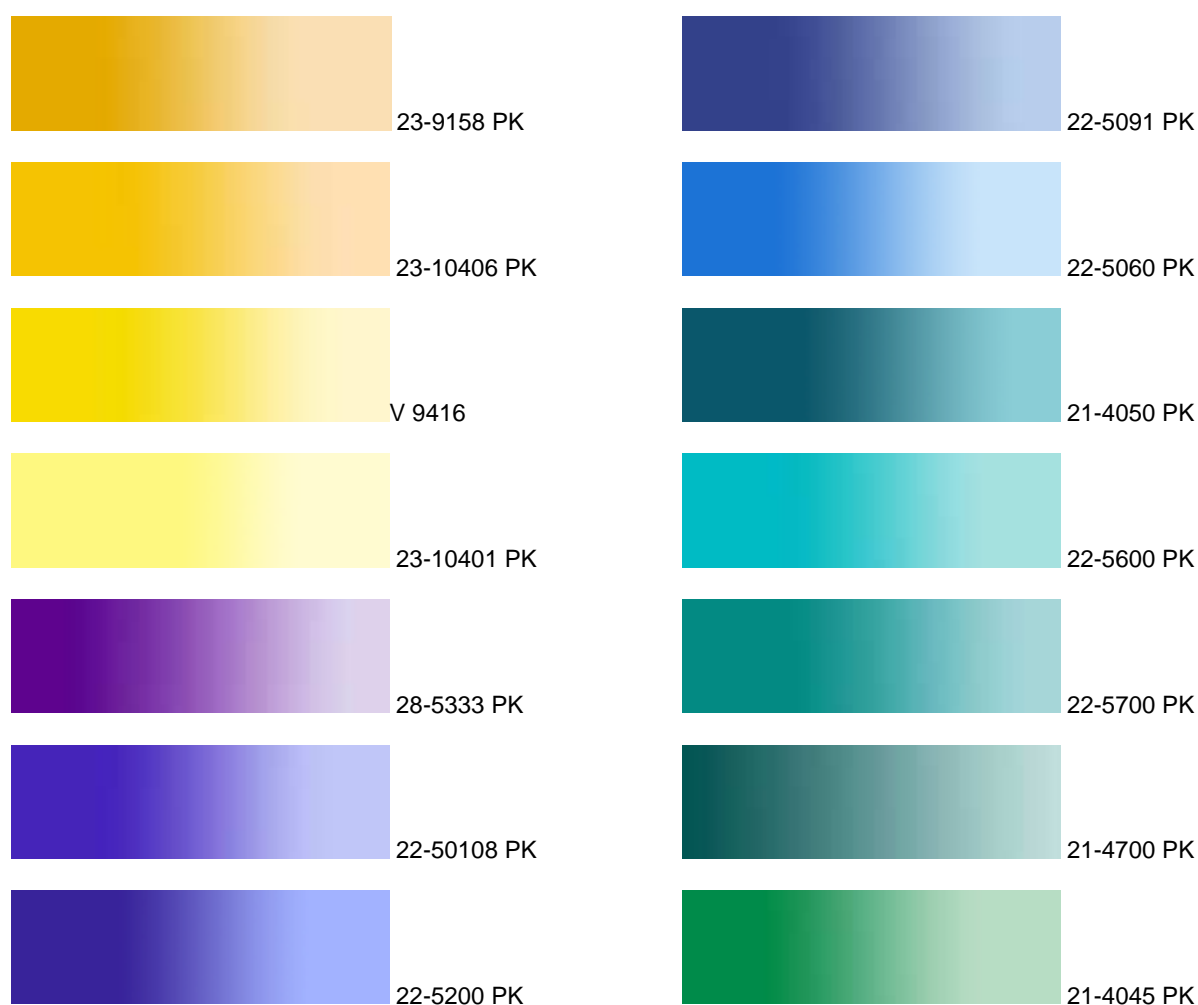
Colour deviation in the CIELAB colour space of each shipped lot compared to the standard as well as the colour strength are given in a certificate of analysis, and will be sent if required by our customers.

If your desired colour is not included in this brochure, please contact us. Our customer service is looking forward to support you in finding a solution.



Pigment	Colour Index	Composition	Crystal Structure	CAS No.
23-9158 PK	Brown 24 / 77310	Ti-Sb-Cr	Rutile	68186-90-3
23-10406 PK	Brown 24 / 77310	Ti-Sb-Cr	Rutile	68186-90-3
V 9416	Yellow 53 / 77788	Ti-Sb-Ni	Rutile	8007-18-9
23-10401 PK	Yellow 53 / 77788	Ti-Sb-Ni	Rutile	8007-18-9
28-5333 PK		Sr	Apatite	101356-96-1
22-50108 PK [*]	Blue 74 / 77366	Co-Zn-Si	Phenacite	68412-74-8
22-5200 PK	Blue 28 / 77346	Co-Al	Spinel	1345-16-0
22-5091 PK	Blue 28 / 77346	Co-Al	Spinel	1345-16-0
22-5060 PK	Blue 35 / 77368	Co-Sn	Spinel	1345-19-3
21-4050 PK	Blue 36 / 77343	Co-Al-Cr	Spinel	68187-11-1
22-5600 PK	Green 50 / 77377	Co-Ti	Spinel	68186-85-6
22-5700 PK	Green 50 / 77377	Co-Ti	Spinel	68186-85-6
21-4047 PK	Green 26 / 77344	Co-Cr	Spinel	68187-49-5
21-4045 PK	Green 50 / 77377	Co-Ti	Spinel	68186-85-6

Hazards identification Xn, R phrases 20/22



The pigments shown here represent only a small selection from our product range.

While every attempt has been made to reproduce colours exactly, the colour samples may differ slightly from the original.

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