Habich
HMH
since 1846

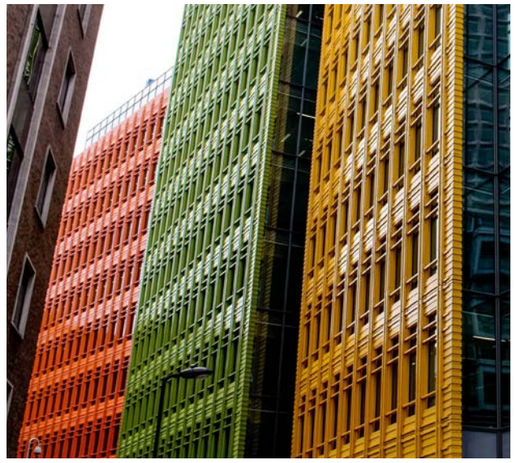
Duromineral®

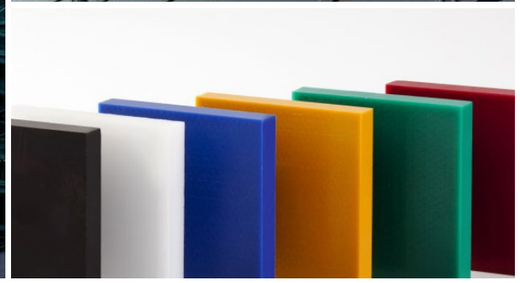
Complex Inorganic Colour Pigments

Inorganic colour pigments for demanding applications

Complex inorganic colour pigments (CICPs) derive basically from the chemical base of rutil TiO_2 or spinel $MgAl_2O_4$ by doping the host lattice. They are characterized by excellent fastness properties. CICP´s are very lightfast and extremely weather resistant. Furthermore, their extraordinary acid, alkaline and chemical resistance are in conjunction with their superb fastness to heat reasons why these class of pigments is highly recommended for demanding applications.

Pigments marketed under the brand Duromineral® are a selection of very stable inorganic colour pigments, designed for extreme requirements. Further colour indices and tailormade solutions are available on request.





Key benefits

- Easy to disperse
- High temperature resistance
- Chemical resistant
- Light fastness
- Weather stability
- IR reflective pigments available
- Compatibility with a wide range of resins and coating systems
- Consistant quality

Applications

- Industrial coatings
- Powder coatings
- Coil coatings
- Architectural paints
- Ceramic applications
- Automotive coatings
- Polyolefines (HDPE, LDPE, PP, etc.)
- Polyvinylchloride
- Engineering polymers (ABS, PET, etc.)

Duromineral® colour range

Full Shade	Reduction 1:4 TiO_2	Duromineral®	Colour Index	Chemical structure	Density [g/ml]	Oil absorption [g/100g]	TSR[1] [%]	Heat resistance [°C]	Light fastness	Weather fastness
		Yellow 1053-**IR**	PY 53	Ni-Sb-Ti Rutil	4.2	18	64	800	8	5
		Yellow 1153	PY 53	Ni-Sb-Ti Rutil	4.3	17	60	800	8	5
		Orange 1924	PBr 24	Cr-Sb-Ti Rutil	4.3	17	51	800	8	5
		Orange 2024	PBr 24	Cr-Sb-Ti Rutil	4.2	16	53	800	8	5
		Orange 2124	PBr 24	Cr-Sb-Ti Rutil	4.4	14	52	800	8	5
		Orange 2224-**IR**	PBr 24	Cr-Sb-Ti Rutil	4.4	13	56	800	8	5
		Green 6017-**IR**	PG 17	Cr_2O_3	5.1	11	36	>800	5	5
		Green 6050	PG 50	Co-Ti-Cr Spinel	4.0	14	23	900	8	5
		Green 6250	PG 50	Co-Ti-Zn Spinel	3.9	14	40	500	8	5
		Blue 5028	PB 28	Co-Al-Spinel	4.3	18	34	800	8	5
		Blue 5036-**IR**	PB 36	Co-Al-Cr Spine	4.1	20	34	1000	8	5
		Blue 5136	PB 36	Co-Al-Cr Spinel	4.2	20	32	1000	8	5
		Brown 8164-**IR**	PY 164	Mn-Sb-Ti Rutil	4.7	15	26	800	8	5
		Black 9028	PBk 28	Cu-Cr Spinel	5.4	+12	7	800	8	5
		Black 9029	PBk 29	Cr-Fe Hematite	5.2	13	19	800	8	5
		Black 9029-**IR**	PBk 29	Cr-Fe Hematite	5.2	13	30	800	8	5
		Black 9030	PBk 30	Cr-Fe-Ni Spinel	5.4	12	7	800	8	5

The colours are only for visualization and are not an exact reproduction.

[1] Total Solar Reflectance (TSR) describes the solar reflectance of a pigmented surface. The higher the value the more the solar radiation is reflected - the lower the temperature increase compared to the ambient temperature, which can be measured on a coating surface after solar irradiation.

Habich supports your creativity

Habich GmbH is a globally recognized manufacturer of special inorganic pigments. Our product portfolio includes, in addition to inorganic coloured pigments and coloured pigment preparations, a broad range of inorganic corrosion protection pigments, pigment slurries and pigment pastes.

As a 6th generation Austrian family business we stand for reliability and sustainability in our business relationships. For more than 175 years, customer satisfaction and customer success are our main objectives. Flexibility and innovative strength characterize our abilities. Thanks to our highly motivated, chemically and technically trained employees we also can provide tailor made solutions to meet any situation.

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Habich GmbH
Weitenegg 5 | 3652 Leiben | Austria

+43 27 52 714 72
+43 27 52 714 18
habich@habich.com
www.habich.com

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ISO 14001
BUREAU VERITAS
Certification

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