

TECHNICAL DATA SHEET

Iron Oxide Black S380



HERMES
CHEMISTRY

The substance is crucial.

Edition of	2016-08-16
Type	Black pigment
Delivery Form	Powder pigment
Chemical Class	Synthetic Iron Oxide
Color Index	Pigment Black 11(77499)
CAS No.	1317-61-9
Use Recommendation	Building Industry

COLOR VALUES AND TINTING STRENGTH

Reference Standard: DIN 6174

	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Reduction with titanium dioxide (1:2)		R-706	No.038.2009-08-01
ΔL^*	-0.7	+0.7	
Δa^*	-0.7	+0.7	
Δb^*	-0.7	+0.7	
ΔE^*_{ab}		1.0	
Binder		R-05	
Relative tinting strength [%]	95	105	No.038.2009-08-01

TECHNICAL DATA

	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Water-Soluble Content [%]		1.0	DIN ISO787 Part 3
Sieve Residue (0.045mm) [%]		0.5	DIN 53195
Fe ₂ O ₃ [%]	95.0		DIN 55913 Sheet 2
Moisture (After Production) [%]		1.0	DIN ISO 787 Part 2
Particle Shape		Spherical	

Contact

Hermes Capital GmbH

Hofackerzeile 10

13627 Berlin, Germany

Tel: +49 33762 808870

E-Mail: chemistry@hermes-capital.de

Note: The raw materials used and the products manufactured by are submitted to precise plant control. The content of our technical leaflet is based on three decades of experience, research and technical back up. Due to continuous development and varying applications we reserve the right to revise and improve our product. Our technical department and experts are available to give assistance on request. An advantage you should make use of!

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Iron Oxide Pigment Iron
Oxide Black S380



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	<u>Approx.</u>	
Predominant Particle size [μM]	0.2	Electron Micrographs
Density [g/ml]	4.5	DIN ISO 787 Part 10

STANDARD PACKAGING

25kg/bag

TRANSPORT AND STORAGE

Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.

SAFETY

The product is not classified as dangerous under the relevant EC directives and corresponding national regulations valid in the individual EU member states. It is not dangerous according to transport regulations. In countries outside the EU, compliance with the respective national legislation concerning the classification, packaging, labeling and transport of dangerous substances must be ensured.

The information contained in the safety data sheet should be observed.

This contains information on handling, product safety and ecology.

This information is given in good faith, without warranty. It is also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General conditions of sale and delivery.

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