Technical Data Sheet
BLACK IRON OXIDE

Description Inorganic pigment, black iron oxide powder.

Type S722

Characteristics

- Highly stable to sunlight
- Easy dispersion
- Can be used in construction materials such as mortars, cement flooring, and concrete, as well as for paints, rubber, and plastic.

Color Index Pigment Black 11 (77499)

Specifications

Content (Fe_3O_4)	%	≥95	ISO1248
Extender pigment	%	≤ 15	ISO 1248
Oil absorption	ml/100 g	16 – 25	ISO 787-5
Residue on 325 mesh	%	≤ 0.5	ISO 787-7
Water-soluble salts	%	≤ 0.55	ISO 787-3
Moisture	%	≤ 1.5	ISO 787-2
pH value		6 – 8	ISO 787-9
Loss on ignition (1,000°C, ½ h)	%	≤ 5.0	DIN 55913
Bulk density	g/cm^3	0.86 – 1.2	ISO 787-11

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Specific gravity	g/cm^3	4.6	ISO 787-10
Particle size (BET)	µm	0.15	Electron micrographs
Dispersibility (Hegman)	µm	20 / 30 / 40	ISO 787-20
Tinting strength	%	95 – 105	ISO 787-24
Color difference (Delta E)		≤ 1.0	ISO 787-1

Packaging

- 25kg paper bags
- 1,000 kg big bags, palletized

Transport and Storage

Protectfromweatherexposure. Store in a dry place.

Safety

Theproduct is not classified as hazardous under EC 1907/2006 and EC 1272/2008.

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