

TECHNICAL DATA SHEET

IRON OXIDE PIGMENTS

BATCH /
PRODUCT SPECIFIC

PRODUCT RANGE

High-performance inorganic iron oxide pigments.



IRON OXIDE RED

High-performance inorganic red oxide pigment



Construction Coatings



Paints



Cement Coloration



IRON OXIDE YELLOW

Inorganic yellow oxide pigment



Decorative Paints



Plastics



Construction Applications



IRON OXIDE BLACK

High-performance inorganic black oxide pigment



Construction Coatings



Paints



Cement Coloration

PHYSICAL & CHEMICAL PROPERTIES (TYPICAL VALUES)

PROPERTY	TEST METHOD	SPECIFICATION		
		IRON OXIDE RED	IRON OXIDE YELLOW	IRON OXIDE BLACK
Appearance	Visual	Red Powder	Yellow Powder	Black Powder
Colour Index	-	Pigment Red 101	Pigment Yellow 42	Pigment Black 11
Tinting Strength (%)	ISO 787-24	95 - 105	95 - 105	95 - 105
Oil Absorption (g/100g)	ISO 787-5	15 - 25	20 - 30	15 - 25
Specific Gravity (g/cm ³)	ISO 787-10	4.8 - 5.2	4.0 - 4.6	4.6 - 5.1
pH (10% Aqueous Extract)	ISO 787-9	5.0 - 8.0	5.0 - 8.0	5.0 - 8.0
Water Soluble Matter (%)	ISO 787-3	Max. 1.0	Max. 1.0	Max. 1.0
Moisture Content (%)	ISO 787-2	Max. 1.0	Max. 1.0	Max. 1.0
Residue on 325 Mesh (%)	ISO 787-7	Max. 0.1	Max. 0.1	Max. 0.1
Heat Stability (°C)	-	Up to 300	Up to 300	Up to 300
Light Fastness (Full Shade)	ISO 105-B02	7 - 8	7 - 8	7 - 8
Weather Fastness	ISO 105-B04	4 - 5	4 - 5	4 - 5
Chemical Resistance	-	Excellent	Excellent	Excellent
Solvent Resistance	-	Excellent	Excellent	Excellent

Test methods are as per ISO standards unless otherwise specified.

TYPICAL APPLICATIONS

IRON OXIDE RED

- Construction coatings & architectural paints
- Cement & concrete coloration
- Pavers, bricks, tiles & roofing materials
- Industrial coatings & primers

IRON OXIDE YELLOW

- Decorative paints & coatings
- Plastics & masterbatches
- Construction applications
- Flooring & paving blocks

IRON OXIDE BLACK

- Construction coatings & protective coatings
- Cement & concrete coloration
- Asphalt & bituminous applications
- Industrial paints & inks

TYPICAL PACKAGING



25 Kg / 20 Kg
Multiwall Paper Bags
with PE Liner
or as per customer
requirement.

SHELF LIFE



24 months from date of
manufacture under
proper storage
conditions.

STORAGE



Store in a cool, dry and
well-ventilated area,
away from direct sunlight
and moisture. Keep
containers tightly closed
when not in use.

SAFETY & HANDLING

- Avoid inhalation of dust.
- Use appropriate personal protective equipment.
- In case of contact with skin or eyes, wash immediately with plenty of water.
- Refer to SDS for detailed information.

REGULATORY INFORMATION

This product is not classified as hazardous under CLP Regulation (EC) No. 1272/2008. Please refer to the product-specific Safety Data Sheet (SDS) for detailed handling information.

NOTE

The information given in this data sheet is based on our current knowledge and laboratory data. It is intended to provide general information about the product and its application. It is not a warranty of any kind. Users are advised to test the suitability of the product for their specific application before use.