



Iron Oxide Black 330H

CAS Number: 1317-61-9

Chemical Formula: Fe_3O_4

DESCRIPTION

Iron Oxide Black 330H is a high-performance granular pigment with excellent tinting strength. Manufactured through a specialised granulation process, the product is free-flowing and dust-reduced, allowing for clean handling, storage, and dosing. It is specifically designed for colouring concrete materials and provides reliable performance in terms of opacity, durability, and chemical resistance.

KEY FEATURES

- High tinting strength and colour consistency
- Free-flowing micro granules for easy handling
- Low dust formulation for cleaner processing
- Excellent chemical, acid, and alkali resistance
- High exterior durability and UV stability
- Compatible with cementitious systems

APPLICATIONS

- Concrete and precast products
- Pavers and masonry units
- Drymix and cement-based systems
- Construction materials and coatings

TYPICAL SPECIFICATIONS

Property	Specification
Appearance	Black micro granules
Density (g/cm ³)	~5
Bulk Density (g/cm ³)	0.8 – 1.4
Content (as Fe_2O_3 , %)	≥ 92
Moisture Content (%)	≤ 2.0
pH	4.0 – 10.0
Water Absorption (g/100g)	~36
Water-Soluble Content (%)	≤ 2.5
Influence on Setting Time	< 60 min difference vs control
Influence on Compressive Strength	< 10% strength loss vs control
Relative Tinting Strength (%)	95 – 105
DE	≤ 1
DL	-0.8 to 0.8
Da	-0.8 to 0.8
Db	-0.8 to 0.8



**LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.**

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

- 25 kg multi-wall paper bags
- 1000 kg bulk bags
- Palletised and shrink-wrapped for safe transport and storage

STORAGE & HANDLING

- Store in a dry, well-ventilated area
- Keep packaging sealed to prevent moisture uptake
- Handle in accordance with good industrial hygiene practices

SAFETY

Refer to the Safety Data Sheet for detailed safety, handling, and personal protection information