



Iron Oxide Black 350G

CAS Number: 1317-61-9

Chemical Formula: Fe_3O_4

DESCRIPTION

Iron Oxide Black 350G 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.**

Chemport Pty Ltd provides the information contained in this document in good faith based on the best knowledge available at the time of publication. While we believe the information to be accurate and reliable, it is intended for general guidance only and is provided without warranty of any kind, express or implied.

Users are solely responsible for determining the suitability of this product for their specific application and for ensuring compliance with all relevant regulations, industry standards, and intellectual property rights. The product must not be used in violation of any law, statute, or third-party rights.

Chemport Pty Ltd shall not be liable for any direct, indirect, or consequential loss or damage arising from the use of this product or reliance on the information provided in this document. Users should refer to the current Safety Data Sheet (SDS) and perform their own evaluations, including any necessary testing, to confirm the product's suitability for use in their particular conditions.

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

TECHNICAL SUPPORT
+61294103317
info@chemport.com.au

Level 9 Tower A
821 Pacific Highway
Chatswood NSW 2067
Australia
chemport.com.au

PACKAGING

- 25 kg paper bags
- 1000 kg bulk bags (palletised)

STORAGE & HANDLING

Store in a dry, well-ventilated area and keep packaging sealed to prevent moisture uptake

SAFETY

Handle in accordance with good industrial hygiene practices and avoid inhalation of dust. Use appropriate personal protective equipment and refer to the Safety Data Sheet for further information.