



Iron Oxide Black 330

CAS Number: 1317-61-9

Chemical Formula: Fe_3O_4

DESCRIPTION

Iron Oxide Black 330 is a high-quality inorganic pigment based on magnetite (Fe_3O_4). It offers excellent tinting strength, good dispersibility, and strong thermal and chemical stability, making it suitable for a wide range of construction, coating, and industrial pigment applications.

KEY FEATURES

- High tinting strength and deep black coloration
- Excellent thermal and chemical stability
- Good dispersibility in coating and construction systems
- Strong resistance to weathering and UV exposure
- Consistent shade and color performance

APPLICATIONS

- Concrete and cement coloring
- Bricks and paving blocks
- Paints and coatings
- Printing inks
- Construction materials and building products

TYPICAL SPECIFICATIONS

Parameter	Specification
Appearance	Black Powder
Molecular Weight	231.54
Fe_3O_4 Content	$\geq 90.0 \%$
Oil Absorption	15 – 25 ml / 100 g
Volatiles at 105 °C	$\leq 1.5 \%$
Residue (325 mesh)	$\leq 0.5 \%$
Water Soluble Content	$\leq 0.5 \%$
pH	5 – 8
Tinting Strength	95 – 105
Tamped Density	0.8 – 1.3 g/cm ³



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

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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 multi-wall paper bags, 1000 kg jumbo bags
Palletized and shrink-wrapped to ensure safe transport and storage.

STORAGE & HANDLING

Store in a cool, dry, and well-ventilated area away from moisture and direct sunlight. Keep containers tightly sealed to prevent contamination and moisture absorption. Avoid excessive dust generation during handling and use appropriate dust control measures.

SAFETY

Avoid inhalation of dust and contact with eyes or prolonged contact with skin. Use appropriate personal protective equipment such as gloves, safety glasses, and dust masks where necessary. Ensure adequate ventilation during handling and processing. Refer to the Safety Data Sheet (SDS) for detailed safety, handling, and regulatory information.