



Iron Oxide Black 330Z

CAS Number: 1317-61-9

Chemical Formula: Fe_3O_4

DESCRIPTION

Iron Oxide Black 330Z is a high-quality black pigment supplied in powder form. It offers strong tinting strength, excellent dispersibility, and consistent colour performance. The product is suitable for a wide range of applications including construction materials, coatings, and industrial formulations.

KEY FEATURES

- High tinting strength and colour consistency
- Excellent dispersibility
- Good chemical, acid, and alkali resistance
- Stable performance in cementitious systems
- High durability and weather resistance

APPLICATIONS

- Concrete and precast products
- Pavers and masonry units
- Coatings and pigments
- Construction materials and drymix systems

TYPICAL SPECIFICATIONS

Property	Specification
Appearance	Black powder
Content (as Fe_2O_3)	$\geq 95\%$
Oil Absorption	15 – 25 g/100g
Residue on 325 Mesh	$\leq 0.5\%$
Water Soluble Matter	$\leq 0.5\%$
Moisture Content	$\leq 1.5\%$
pH	5 – 8
Ignition Loss (1000°C, ½ h)	$\leq 5.0\%$
Bulk Density	0.8 – 1.2 g/cm ³
Specific Gravity	4.8 g/cm ³
Particle Size	~0.2 µm
Dispersibility (Hegman)	20 / 30 / 40 µm
Tinting Strength	95 – 105%
Colour Difference (ΔE)	≤ 1.0



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

STORAGE & HANDLING

- Protect against weathering
- Store in a dry place
- Avoid temperatures above 80°C

SAFETY

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