



Specification - Synox Pigment

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Product name: Black 4330

General description

Chemical formula: Synthetic iron oxide Fe₃O₄

Type: Black iron oxide pigment

Colour index: Pigment black 11 (77499)

CAS NO.: 1317-61-9 EC NO.: 215-277-5

Form: Powder

Hue: Bluish black

Colour difference in paints :

Mass tone ΔE_{abL} max 1.0

Test method: ISO787/1

Tint-tone ΔE_{abL} max 1.0

Test method: ISO787/16

Relative tinting strength (%) min 95 max 105

Test method: ISO787/16

Colour difference in cement :

ΔE_{cmc} max 1.5

3%Concentration in cement

Relative tinting strength (%) min 95 max 105

3%Concentration in cement

Technical data

Fe ₃ O ₄ content (%)	min 90	
Test method: ISO1248/8		
Moisture (%)		max 1.0
Test method: ISO787/2		
Water soluble salts (%)		max 0.3
Test method: ISO787/3		
Sieve residue on 45µm mesh (%)		max 0.5
Test method: ISO787/7		
pH value	min 5.0	max 8.0
Test method: ISO787/9		
Oil absorption	min 15	max 25
Test method: ISO787/5		
Density (g/cm ³)	approx. 5.0	
Test method: ISO787/10		
Apparent density (g/cm ³)	approx. 1.0	
Test method: ISO787/11		
Particle shape	cubic	
Average particle size (µm)	approx. 0.3	

Package

1MT bag
25 KG bag

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