



Specification – Synox Pigment

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Product name: Red 4160

General description

Chemical formula: Synthetic iron oxide α - Fe₂O₃

Type: Red iron oxide pigment

Colour index: Pigment red 101 (77491)

CAS NO.: 1309-37-1 **EC NO.:** 215-168-2

Form: Powder

Hue: Bluish red

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 ₂ O ₃ content (%)	min 95	
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 0.3
Test method: ISO787/7		
pH value	min 3.5	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	Spherical	
Average particle size (µm)	approx. 0.6	

Package

1 MT bag
25 KG bag

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