



Specification – Synox Pigment

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Product name: Red 6180

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

Hangzhou Synox Pigments Co.,Ltd

Add: 1304 TianHeng Building, 1509 Binsheng Road, Binjiang District, Hangzhou, Zhejiang, China 310051
Tel: +86-571-87156383 Fax: +86-571-87156373 Email: info@synoxpigment.com

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. 0.8	

Package

1 MT bag
25 KG bag

The information in this article we offer in good faith, to whom were involved in for reference, research, comparison, in convenience of flexibly handle, and entirely your own responsibility. The practical applications by you are beyond our control, we won't undertake warranty and responsibility.

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