



Specification – Synox Pigment

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Product name: Red 4120

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: Yellowish 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

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Technical data

Fe ₂ O ₃ content (%)	min 95	
<u>Test method: ISO1248/8</u>		
Moisture (%)		max 1.0
<u>Test method: ISO787/2</u>		
Water soluble salts (%)		max 0.3
<u>Test method: ISO787/3</u>		
Sieve residue on 45µm mesh (%)		max 0.3
<u>Test method: ISO787/7</u>		
pH value	min 3.5	max 8.0
<u>Test method: ISO787/9</u>		
Oil absorption	min 15	max 25
<u>Test method: ISO787/5</u>		
Density (g/cm ³)	approx. 5.0	
<u>Test method: ISO787/10</u>		
Apparent density (g/cm ³)	approx. 1.0	
<u>Test method: ISO787/11</u>		
Particle shape	Spherical	
<u>Test method: ISO787/12</u>		
Average particle size (µm)	approx. 0.2	
<u>Test method: ISO787/13</u>		

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

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SYNOX



COLOR MATERIAL TECHNICAL DATA SHEET

Red 4120-TDS-E

you are beyond our control, we won't undertake warranty and responsibility.

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