



Specification – Synox Pigment

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Product name: Orange 6960

General description

Chemical formula: Synthetic iron oxide α -Fe₂O₃/Fe(OH)O

Type: Orange iron oxide pigment

Colour index: Pigment red 101 (77491)/yellow 42(77492)

CAS NO.: 1309-37-1/51274-00-1 EC NO.: 215-168-2/257-098-5

Form: Powder

Hue: Orange

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 70	
<u>Test method: ISO1248/8</u>		
Moisture (%)		max 1.0
<u>Test method: ISO787/2</u>		
Water soluble salts (%)		max 0.5
<u>Test method: ISO787/3</u>		
Sieve residue on 45µm mesh (%)		max 0.5
<u>Test method: ISO787/7</u>		
pH value	min 3.5	max 8.0
<u>Test method: ISO787/9</u>		
Oil absorption	min 20	max 40
<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. 0.8	
<u>Test method: ISO787/11</u>		

Package

0.8 MT bag

20 KG bag

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