



Specification – Synox Pigment

Page: 1 of 2

Product name: Red 4110L

General description

Chemical formula: Synthetic iron oxide α -Fe₂O₃

Type: Granular red iron oxide pigment

Colour index: Pigment red 101 (77491)

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

Form: Granular

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

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@synoxpigments.com

**Technical data**

Fe ₂ O ₃ content (%)	min 95	
Test method: ISO1248/8		
Moisture (%)		max 1.5
Test method: ISO787/2		
Water soluble salts (%)		max 1.0
Test method: ISO787/3		
pH value	min 3.5	max 8.0
Test method: ISO787/9		
Oil absorption	min 15	max 25
Test method: ISO787/5		
Apparent density (g/cm ³)	approx. 1.2	
Test method: ISO787/11		
Granular size (mm)	approx. 0.7	

Package

1 MT bag
25 KG bag

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