



## Specification – Synox Pigment

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**Product name:** Red 4190
 

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### General description

**Chemical formula:** Synthetic iron oxide  $\alpha$ - Fe<sub>2</sub>O<sub>3</sub>

**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

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### Colour difference in paints :

**Mass tone**       $\Delta E_{abL}$       max 1.0  
**Test method:** ISO787/1

**Tint-tone**       $\Delta E_{abL}$       max 1.0  
**Test method:** ISO787/16

**Relative tinting strength (%)**      min 95      max 105  
**Test method:** ISO787/16

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### Colour difference in cement :

$\Delta E_{cmc}$       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 <sub>2</sub> O <sub>3</sub> 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 <sup>3</sup> )	approx. 5.0	
Test method: ISO787/10		
Apparent density (g/cm <sup>3</sup> )	approx. 1.0	
Test method: ISO787/11		
Particle shape	Spherical	
Average particle size (µm)	approx. 0.7	

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**Package**

1 MT bag  
25 KG bag

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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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