



## Specification – Synox Pigment

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**Product name:** Orange 4940
 

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### General description

Chemical formula: Synthetic iron oxide  $\alpha$ -  $\text{Fe}_2\text{O}_3$  /  $\text{Fe}(\text{OH})\text{O}$

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

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

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**Package**

0.8 MT bag

20 KG bag

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