



## Specification - Synox Pigment

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**Product name:** Black6318
 

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### General description

Chemical formula: Synthetic iron oxide  $\text{Fe}_3\text{O}_4$

Type: Black iron oxide pigment

Colour index: Pigment black 11 (77499)

CAS NO.: 1317-61-9 EC NO.: 215-277-5

Form: Powder

Hue: Yellowish black

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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>3</sub> O <sub>4</sub> content (%)	min 90	
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 0.5
Test method: ISO787/7		
pH value	min 5.0	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	cubic	
Average particle size (µm)	approx. 0.3	

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**Package**

1MT 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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