



## Technical Data Sheet / Specification

### Red 120 for Concrete



GREY CEMENT

OFF-WHITE CEMENT

Technical Data Sheet /Specification- Iron Oxide Pigment			
<b>Product name:</b>	Red 120		
<b>General description</b>			
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		
Form:	Powder		
Hue:	Yellowish red		
<b>Colour difference in paints :</b>			
Mass tone	$\Delta E$ Lab	max 1.0	Test method: ISO787/1
Tint-tone	$\Delta E$ Lab	max 1.0	Test method: ISO787/16
Relative tinting strength (%)	min 95	max 105	Test method: ISO787/16
<b>Colour difference in cement :</b>			
$\Delta E_{cmc}$	max 1.5		3%Concentration in cement
Relative tinting strength (%)	min 95	max 105	3%Concentration in cement
<b>Technical data</b>			
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 45 $\mu$ m mesh (%)	max 0.3		Test method: ISO787/7
pHvalue	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 shade	Spherical	
Average particle size (μm)	approx. 0.15	
<b>package</b>	25 kg/bag with pallet	

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.