



## Technical Data Sheet / Specification

### Red 110 for Concrete



GREY CEMENT

OFF-WHITE CEMENT

Technical Data Sheet /Specification- Iron Oxide Pigment			
<b>Product name:</b>	Red 110		
<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. 0.1	
<b>package</b>	25 kg/bag with pallet	

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