



Technical Data Sheet / Specification

Red 190 for Coating



MASS TONE

TINT TONE

Technical Data Sheet /Specification- Iron Oxide Pigment			
Product name:	Red 190		
General description			
Chemical formula:	Synthetic iron oxide α -Fe ₂ O ₃		
Type:	Red iron oxide pigment		
Colour index:	Pigment red 101 (77491)		
CAS No.:	1309-37-1		
Form:	Powder		
Hue:	Bluish red		
Colour difference in paints :			
Mass tone	ΔE_{La} b	max 1.0	Test method: ISO787/1
Tint-tone	ΔE_{La} b	max 1.0	Test method: ISO787/16
Relative tinting strength (%)	min 95	max 105	Test method: ISO787/16
Colour difference in cement :			
ΔE_{cmc}	max 1.5		3%Concentration in cement
Relative tinting strength (%)	min 95	max 105	3%Concentration in cement
Technical data			
Fe ₂ O ₃ content (%)	min 94		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 45 μ m mesh (%)	max 0.05		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 ³)	approx. 5.0	Test method: ISO787/10
Apparent density (g/cm ³)	approx. 1.0	Test method: ISO787/11
Particle shade	Rhombohedral	
Average particle size (μm)	approx. 0.70	
package	25 kg/bag with pallet	

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