

# TECHNICAL DATA SHEET

Iron Oxide Pigment

Iron Oxide Red 190



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<b>Edition of</b>	2016-12-16
<b>Type</b>	Red pigment
<b>Delivery Form</b>	Powder
<b>Chemical Class</b>	Synthetic iron oxide alpha-Fe <sub>2</sub> O <sub>3</sub>
<b>Color Index</b>	Pigment red 101(77491)
<b>CAS No.</b>	1309-37-1
<b>Use Recommendation</b>	Construction Industry /Coating Industry

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## COLOR VALUES AND TINTING STRENGTH

Reference Standard:	DIN 6174		
	<b>Min</b>	<b>Max</b>	<b>Test Method</b>
Reduction with titanium dioxide (1:2)		R-706	No.038, 2009-08-01
ΔL*	-0.7	+0.7	
Δa*	-0.7	+0.7	
Δb*	-0.7	+0.7	
ΔE*ab		1.0	
Binder		R-05	
Relative tinting strength [%]	95.0	105.0	No.038, 2009-08-01

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	<b>Min</b>	<b>Max</b>	<b>Test Method</b>
Water-Soluble Content [%]		1.0	DIN ISO787 Part 3
Sieve Residue (0.045mm) [%]		0.5	DIN 53195
Fe <sub>2</sub> O <sub>3</sub> [%]	94.0		DIN 55913 Sheet 2
Moisture (After Production) [%]		1.0	DIN ISO787 Part 2
Particle Shape		Spherical	Electron Micrographs

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	<b>Approx.</b>	
Predominant Particle size [ $\mu\text{M}$ ]	0.1	Electron Micrographs
Oil Absorption [ <b>g/100g</b> ]	15~25	DIN ISO787 Part 5
Tamped Density [ <b>g/ml</b> ]	~1.0	DIN ISO787 Part 11
Density [ <b>g/ml</b> ]	~5.0	DIN ISO787 Part 10

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**STANDARD PACKAGING**      25kg/bag

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## TRANSPORT AND STORAGE

Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.

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## SAFETY

The product is not classified as dangerous under the relevant EC directives and corresponding national regulations valid in the individual EU member states. It is not dangerous according to transport regulations. In countries outside the EU, compliance with the respective national legislation concerning the classification, packaging, labeling and transport of dangerous substances must be ensured.

The information contained in the safety data sheet should be observed.

This contains information on handling, product safety and ecology.

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