TECHNICAL DATA SHEET

Iron Oxide Red 130M

Edition of	2012-12-20
Type	Red Pigment-High Performance micronised
Molecular formula	Fe2O3
Molecular weight	159.69
Delivery Form	Powder
Chemical Class	Synthetic Iron Oxide alpha – Fe2O3
Color Index	Pigment Red 101 (77491)
CAS No.	1309-37-1
Use ReCommedation	Coatings, Construction, Plastic

COLOR VALUES AND TINTING STRENGTH

Reference   Standard: DIN 6174

	Min	**Max**	**Test Method**
Binder	Test Paste Based On		
	R-05		
Full Shade			No.001, 2001-01-01
$\triangle$L*	-0.4	0.4	
$\triangle$a*	-0.8	0.8	
$\triangle$b*	-0.9	0.9	
$\triangle$E*ab		1.0	
Reduction with titanium dioxide (1:5)	R - 706		No.038, 2009-08-01
$\triangle$L*	-0.5	0.5	
$\triangle$a*	-0.5	0.5	
$\triangle$b*	-0.5	0.5	
$\triangle$E*ab		0.8	
Binder	R-05		
Relative tinting strength **[%]**	97.0	103.0	No.038, 2009-08-01

TECHNICAL DATA

	Min	**Max**	**Test Method**
Fe2O3	95		DIN 55913-2
Water soluble substances **[%]**		0.5	DIN ISO 787-3
Moisture at 105℃**[%]**		0.5	DIN ISO 787-2
Oil absorption approx **[%]**	20		DIN ISO 787-5
Sieve residue on 0.045mm mesh **[%]**		0.005	DIN 53195
Color compared with standard	97	103	DIN 6174
ΔE		1.0	DIN 6174
PH Value	5.0	7.0	DIN ISO 787-9

Loss on Heating 1000℃ 1/2h	5.0	DIN 55913-2
Density	5.0	DIN ISO 787-10
Tamped Density	1.0	DIN ISO 787-11

STANDARD PACKAGING 25kg/bag

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.

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 handing, product safety and ecology.