

## Product information – Sunferrox™ Iron Oxide Pigments

Sunferrox™ Pigments	Grade	Fe <sub>2</sub> O <sub>3</sub>	Water Content	Water Soluble salts	Loss on heating <sup>(1)</sup> 1000°C/0.5h	Water absorption	Sieve residue 0.045mm mesh	pH Value	Tinting Strength vs Standard	Color difference vs Standard <sup>(2)</sup>	Tamped apparent density	Density	Predominant Particle Size <sup>(3)</sup>	Particle Shape
		DIN-55913	ISO 787 Part 2	ISO 787 Part 8	DIN-55913	ISO 787 Part 5	ISO 787 Part 7	ISO 787 Part 9	DIN-55913	Measured according DIN-6174 & 55986	ISO 787 Part 11	ISO 787 Part 10		
		Min. %	Max %	Max %	Max %	Approx. g/100g	Max %	Range	%	ΔE max.	approx. g/cm <sup>3</sup>	approx. g/cm <sup>3</sup>	μm <sup>(3)</sup>	
<b>Sunferrox™ Red</b>														
C.I. Pigment	8200	95	1.0	0.5	4.0	22	0.05	5-7	95-105	1.0	1.0	5.0	0.1	spherical
Red 101	8210	95	1.0	0.5	4.0	22	0.05	5-7	95-105	1.0	1.0	5.0	0.1	
	8230	95	1.0	0.5	4.0	20	0.05	5-7	95-105	1.0	1.0	5.0	0.2	
C.I.77491	8240	95	1.0	0.5	4.0	20	0.05	5-7	95-105	1.0	1.0	5.0	0.3	
	8290	95	1.0	0.5	4.0	20	0.05	5-7	95-105	1.0	1.0	5.1	0.7	
<b>Sunferrox™ Yellow</b>														
C.I.Pigment	8310	86	1.0	0.5	15.0	28	0.05	4-7	95-105	1.0	0.4	4.0	0.1x0.8	acicular
Yellow 42	8320	86	1.0	0.5	15.0	28	0.05	4-7	95-105	1.0	0.4	4.0	0.1x0.8	acicular
C.I.77491														
Combination of C.I.77491/92	8360	88	1.0	0.5	13.0	25	0.05	5-7	95-105	1.0	0.5	4.3	0.1x0.8	primarily acicular
<b>Sunferrox™ Brown</b>														
Combination of C.I. 77491/92/99	8383	95	1.0	0.5	4	18	0.05	5-8	95-105	1.0	1.0	4.5	0.1x0.8	irregular
<b>Sunferrox™ Black</b>														
Black 11	8880	95	1.0	0.5	N.A.	18	0.05	5-8	95-105	1.0	1.0	4.5	0.2	spherical
C.I.77499	8890	95	1.0	0.5	N.A.	30	0.05	5-8	95-105	1.0	1.0	4.5	0.2	

**Note:**

- (1) The Sunferrox™ Yellow and Brown types contain relatively large amounts of chemically bound water, which have been taken into account when determining the loss on heating.  
 (2) Detailed procedures are available on request. (3) Values determined from electron micrographs.  
 (4) All technical data determined on basis of the ISO or DIN standards mentioned

The analysis values merely represent an indication of the fundamental composition and properties; in the individual types, there are also traces of other chemical compounds, these traces are found in fractions of a percent and are subject to slight fluctuation.

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