

# Feonox

## Iron Oxide

### Technical Data Sheet

#### Characteristics

Feonox Iron Oxide pigments are valuable due to their wide color range, light and chemical stability, hiding power, ultraviolet absorption and low cost compared to organic pigments.

#### Typical Properties

	Type	Fe <sub>2</sub> O <sub>3</sub> (%)	Oil absorption (g/100g)	Res.On 325 mesh (%)	Water Sol.salts (%)	Moisture (%)	PH value	Tamped Apparent density g/cm <sup>3</sup>	Particle Shape	ΔE compared with std	Tinting strength (%)
Iron Oxide RED	110	≥ 96	15-25	≤ 0.3	≤ 0.3	≤ 1.0	3-7	0.7-1.1	spherical	≤ 1	95-105
	120	≥ 96	15-25	≤ 0.3	≤ 0.3	≤ 1.0	3-7	0.7-1.1	spherical	≤ 1	95-105
	130	≥ 96	15-25	≤ 0.3	≤ 0.3	≤ 1.0	3-7	0.7-1.1	spherical	≤ 1	95-105
	230	≥ 96	15-25	≤ 0.3	≤ 0.3	≤ 1.0	3-7	0.8-1.2	spherical	≤ 1	95-105
	140	≥ 96	15-25	≤ 0.3	≤ 0.3	≤ 1.0	3-7	0.9-1.3	spherical	≤ 1	95-105
	190	≥ 95	15-25	≤ 0.5	≤ 0.5	≤ 1.0	3-7	0.7-1.1	spherical	≤ 1	95-105
Iron Oxide YELLOW	311	≥ 86	25-35	≤ 0.3	≤ 0.3	≤ 1.0	3-7	0.4-0.6	acicular	≤ 1	95-105
	313	≥ 86	25-35	≤ 0.3	≤ 0.3	≤ 1.0	3-7	0.4-0.6	acicular	≤ 1	95-105
	810	≥ 86	25-35	≤ 0.3	≤ 0.3	≤ 1.0	3-7	0.4-0.6	acicular	≤ 1	95-105
	920	≥ 85	25-35	≤ 0.3	≤ 0.3	≤ 1.0	3-7	0.4-0.6	acicular	≤ 1	95-105
Iron Oxide BLACK	330	≥ 92	15-25	≤ 0.4	≤ 0.5	≤ 1.0	5-8	0.8-1.2	spherical	≤ 1	95-105
	318	≥ 93	15-25	≤ 0.4	≤ 0.5	≤ 1.0	5-8	0.9-1.3	spherical	≤ 1	95-105
	740	≥ 93	15-25	≤ 0.4	≤ 0.5	≤ 1.0	5-8	0.8-1.3	spherical	≤ 1	95-105
	750	≥ 95	15-25	≤ 0.4	≤ 0.5	≤ 1.0	5-8	0.8-1.2	spherical	≤ 1	95-105
Iron Oxide BROWN	665	≥ 90	25-35	≤ 0.3	≤ 0.5	≤ 1.0	4-7	0.7-1.1	irregular	≤ 1	95-105
	663	≥ 90	20-30	≤ 0.4	≤ 0.5	≤ 1.0	4-7	0.8-1.2	irregular	≤ 1	95-105
	686	≥ 90	15-25	≤ 0.5	≤ 0.5	≤ 1.0	4-7	0.8-1.2	irregular	≤ 1	95-105
	610	≥ 88	25-35	≤ 0.3	≤ 0.5	≤ 1.0	4-7	0.7-1.1	irregular	≤ 1	95-105
Iron Oxide ORANGE	270	≥ 88	20-30	≤ 0.3	≤ 0.5	≤ 1.0	4-7	0.7-1.1	irregular	≤ 1	98-102
	960	≥ 88	20-30	≤ 0.3	≤ 0.5	≤ 1.0	4-7	0.7-1.1	irregular	≤ 1	98-102
	2040	≥ 88	20-30	≤ 0.4	≤ 0.5	≤ 1.0	4-7	0.8-1.2	irregular	≤ 1	98-102
Compound Ferric GREEN	5605		25-35							≤ 1	95-105
	835		25-35							≤ 1	95-105
Chrome Oxide GREEN	GX	≥ 99 (Cr <sub>2</sub> O <sub>3</sub> )	10-25	≤ 0.3	≤ 0.3	≤ 0.3	5-8	1.0-1.3	spherical	≤ 1	95-105

#### Applications

Feonox Iron Oxide pigments are widely used as colorant in ;  
Concrete roof tiles, concrete pavements, concrete block and constructions, paints & coatings, universal tinting system, ceramics, asphalt road construction, rubber & plastics.

#### Packaging

20 - 25 Kg's multi layer paper - PE bag.

#### Storage

Store it in cool, dry place.