

Iron Oxide pigment





Iron Oxide pigment

Company

Kimix Chemical is a professional iron oxide pigment supplier, devoted to providing high quality products, efficient service and driving value improvement to the worldwide users of pigments.

On the principle of customer orientation, Kimix keeps improving the quality management, expanding services and developing new project to enhance the competitive power of our customers.

Kim pigment serials cover synthetic iron oxide and chrome oxide with a wide range of colors red, yellow, black, brown, orange, green, and enjoy a good reputation due to the color consistence, high tinting strength, outstanding light fastness, strong absorption of UV light and fine dispersing.

With such excellent properties, Kim pigment is widely used in cement products as colorant like roof tile, pavestone, bricks etc, paints & coating, ceramics, asphalt, plastic & rubbers, and other fields which request a stable colorant.



Kim pigment Synthetic iron oxide

Kim pigment iron oxide is an inert, non-toxic and high-quality inorganic pigment, representing a wide color range of iron oxide red, yellow, black, orange, brown and green. It is insoluble in water and diluted acids, resistant to acid, lime and alkaline as well as absolutely weather and light stable.

Applications

- Paving stone, concrete block, roofing tile, bricks
- Paints & coating
- Ceramics, asphalt
- Plastic & rubbers

Iron Oxide Red

Kim pigment - Iron Oxide Red pigments range from light color shade to deep red shade with outstanding quality in tinting strength and color consistence. Also, they have the superior light fastness and weather/UV stability so that often recommended in the application of paints, coatings and coloring construction materials.



Color Shade

Full shade

1:10 Tio2 Reduction

Kim pigment Iron Oxide Red Pigments			
Red 101		Red 101	
Red 110N		Red 110N	
Red 110		Red 110	
Red 130		Red 130	
Red 130B		Red 130B	
Red 130N		Red 130N	
Red 140		Red 140	
Red 160		Red 160	
Red 180		Red 180	
Red 190		Red 190	



The colors contained in brochure are simulated representations of available Kim pigment colors. Actual colors may vary. Please contact your local sales representatives for actual color samples

Technical Data

Grade	Tamped Density (g/cm ³)	Moisture at 105 °C (%)	Oil Absorption (ml/100g)	PH value	45μ Residue on Sieve (%)	Matter Soluble in water (%)	Particle shape	Tinting strength (%)	ΔE Compared with std.	Iron oxide Fe ₂ O ₃ (%)
101	0.7-1.1	1.0max	15~25	3~7	0.3max	0.3max	spherical	95~105	1max	96min
110	0.7-1.1	1.0max	15~25	3~7	0.3max	0.3max	spherical	95~105	1max	96min
110N	0.7-1.1	1.0max	15~25	3~7	0.3max	0.3max	spherical	95~105	1max	96min
130	0.7-1.1	1.0max	15~25	3~7	0.3max	0.3max	spherical	95~105	1max	96min
130B	0.7-1.1	1.0max	15~25	3~7	0.3max	0.3max	spherical	95~105	1max	96min
130N	0.7-1.1	1.0max	15~25	3~7	0.3max	0.3max	spherical	95~105	1max	96min
140	0.7-1.1	1.0max	15~25	3~7	0.3max	0.3max	spherical	95~105	1max	96min
160	0.7-1.1	1.0max	15~25	3~7	0.3max	0.3max	spherical	95~105	1max	96min
180	0.7-1.1	1.0max	15~25	3~7	0.3max	0.3max	spherical	95~105	1max	96min
190	0.7-1.1	1.0max	15~25	3~7	0.5max	0.5max	spherical	95~105	1max	95min

Iron Oxide Yellow

Kim pigment-Iron Oxide Yellow have good color shade, It is bright and yellowish.

Technical Data

Grade	Tamped Density (g/cm ³)	Moisture at 105°C (%)	Oil Absorption (ml/100g)	PH value	45μ Residue on Sieve (%)	Matter Soluble in water (%)	Particle shape	Tinting strength (%)	Δ E Compared with std.	Iron oxide Fe ₂ O ₃ (%)
313	0.4-0.6	1.0max	25~35	3~7	0.3max	0.3max	Acicular	95~105	1max	86min
313H	0.7-1.0	1.0max	25~35	3~7	0.3max	0.3max	Acicular	95~105	1max	86min
910	0.4-0.6	1.0max	25~35	3~7	0.3max	0.5max	Acicular	95~105	1max	86min
920	0.4-0.6	1.0max	25~35	3~7	0.3max	0.5max	Acicular	95~105	1max	86min
920B	0.4-0.6	1.0max	25~35	3~7	0.3max	0.5max	Acicular	95~105	1max	86min
920H	0.7-1.0	1.0max	25~35	3~7	0.3max	0.5max	Acicular	95~105	1max	86min

Color Shade

Full shade

1:10 Tio2 Reduction

Kim pigment Iron Oxide Yellow Pigments

Yellow 313		Yellow 313	
Yellow 313H		Yellow 313H	
Yellow 910		Yellow 910	
Yellow 920		Yellow 920	
Yellow 920B		Yellow 920B	
Yellow 920H		Yellow 920H	

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Iron Oxide Black

Kim pigment Iron Oxide Black is very dark and blueish with strong tinting strength.

Technical Data

Grade	Tamped Density (g/cm ³)	Moisture at 105°C (%)	Oil Absorption (ml/100g)	PH value	45μ Residue on Sieve (%)	Matter Soluble in water (%)	Particle shape	Tinting strength (%)	Δ E Compared with std.	Iron oxide Fe ₂ O ₃ (%)
318	0.8-1.3	1.0max	15~25	5~8	0.4max	0.5max	spherical	95~105	1max	93min
330	0.8-1.3	1.0max	15~25	5~8	0.4max	0.5max	spherical	95~105	1max	93min
750	0.8-1.2	1.0max	15~25	5~8	0.4max	0.5max	spherical	95~105	1max	93min
790	0.8-1.2	1.0max	15~25	5~8	0.4max	0.5max	spherical	95~105	1max	93min

Color Shade

Full shade

1:10 Tio2 Reduction

Kim pigment Iron Oxide Black Pigments

Black 318		Black 318	
Black 330		Black 330	
Black 750		Black 750	
Black 790		Black 790	



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Blending color and Chrome Oxide Green

Kim pigment also supply blending iron oxide colors like brown, orange and green, and chrome oxide green. Kim pigment chrome oxide green has very good color shade, fastness and high heat stability around 1000 celcius degree, which enable it apply to more field like paints, ceramic, enamels, plastic, rubbers etc.

Applications

- Ceramics & Enamels
- Paints & coating
- Plastics
- Building materials
- Heat resistant materials



Technical Data

Technical Data	Grade	Tamped Density (g/cm ³)	Moisture at 105 °C (%)	Oil Absorption (ml/100g)	PH value	45μ Residue on Sieve (%)	Matter Soluble in water (%)	Particle shape	Tinting strength (%)	ΔE Compared with std.	Iron oxide Fe ₂ O ₃ (%)
Iron Oxide Brown	610	0.8-1.2	1.0max	20~30	4~7	0.3max	0.5max	Irregular	95~105	1max	88min
	686	0.7-1.1	1.0max	25~35	4~7	0.3max	0.5max	Irregular	95~105	1max	90min
	686Y	0.7-1.1	1.0max	25~35	4~7	0.3max	0.5max	Irregular	95~105	1max	90min
Iron Oxide Orange	960	0.7-1.1	1.0max	20~30	4~7	0.3max	0.5max	Irregular	98~102	1max	88min
	960Y	0.7-1.1	1.0max	20~30	4~7	0.3max	0.5max	Irregular	98~102	1max	88min
Compound Ferric Green	835	0.4-0.8	1.0max	25~35	6~8	0.3max	2.5max	irregular	95~105	1max	
	835F	0.4-0.8	0.1max	25~35	6.5~8.5	0.3max	0.5max	irregular	95~105	1max	
Chrome Oxide Green	GN	1.0-1.3	0.3max	10~25	5~8	0.3max	0.3max	Spherical	95~105	1max	98min

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Color Shade

Full shade

1:10 Tio2 Reduction

Kim pigment Blended products and Chrome Oxide Green Pigments

Brown 610		Brown 610	
Brown 686		Brown 686	
Brown 686Y		Brown 686Y	
Orange 960		Orange 960	
Orange 960Y		Orange 960Y	
Green 835		Green 835	
Green 835F		Green 835F	
Chrome GN		Chrome GN	



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Kim pigment Micronized iron oxide

Kim pigment micronized iron oxide has better performance in the applications of paints and coating with its optimized color strength, superior dispersibility, chemical stability, and outstanding light fastness.

Applications

- Paints
- Coating
- High-grade printing ink
- Plastic
- Paper
- Rubber



Color Shade

Full shade

1:10 Tio2 Reduction

Kim pigment-Micronized iron oxide			
Red 105M		Red 105M	
Red 110M		Red 110M	
Red 130M		Red 130M	
Yellow 910M		Yellow 910M	
Yellow 920M		Yellow 920M	
Black 318M		Black 318M	



Technical data of Micronized iron oxide

Technical Data	Grade	Tamped Density (g/cm ³)	Moisture at 105 °C (%)	Oil Absorption (ml/100g)	PH value	45μ Residue on Sieve (%)	Matter Soluble in water (%)	Particle shape	Tinting strength (%)	Δ E Compared with std.	Iron oxide Fe ₂ O ₃ (%)/I
Micronized Iron Oxide Red	105M	0.7-1.1	1.0max	15~25	4.5~7.5	0.008max	0.5max	Spherical	97~103	1max	96min
	110M	0.7-1.1	1.0max	15~25	4.5~7.5	0.008max	0.5max	Spherical	97~103	1max	96min
	130M	0.7-1.1	1.0max	15~25	4.5~7.5	0.008max	0.5max	Spherical	97~103	1max	96min
Micronized Iron Oxide Yellow	910M	0.4-1.0	1.0max	25~35	4.5~7.5	0.008max	0.5max	Acicular	97~103	1max	86min
	920M	0.4-1.0	1.0max	25~35	4.5~7.5	0.008max	0.5max	Acicular	97~103	1max	86min
Micronized Iron Oxide Black	318M	0.8-1.2	1.0max	15~25	5~8	0.008max	0.5max	Spherical	97~103	1max	90min

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