



TransFerrox
(Iron Oxide Pigment)
氧化铁



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引言 Introduction

氧化铁颜料 Iron oxide pigments

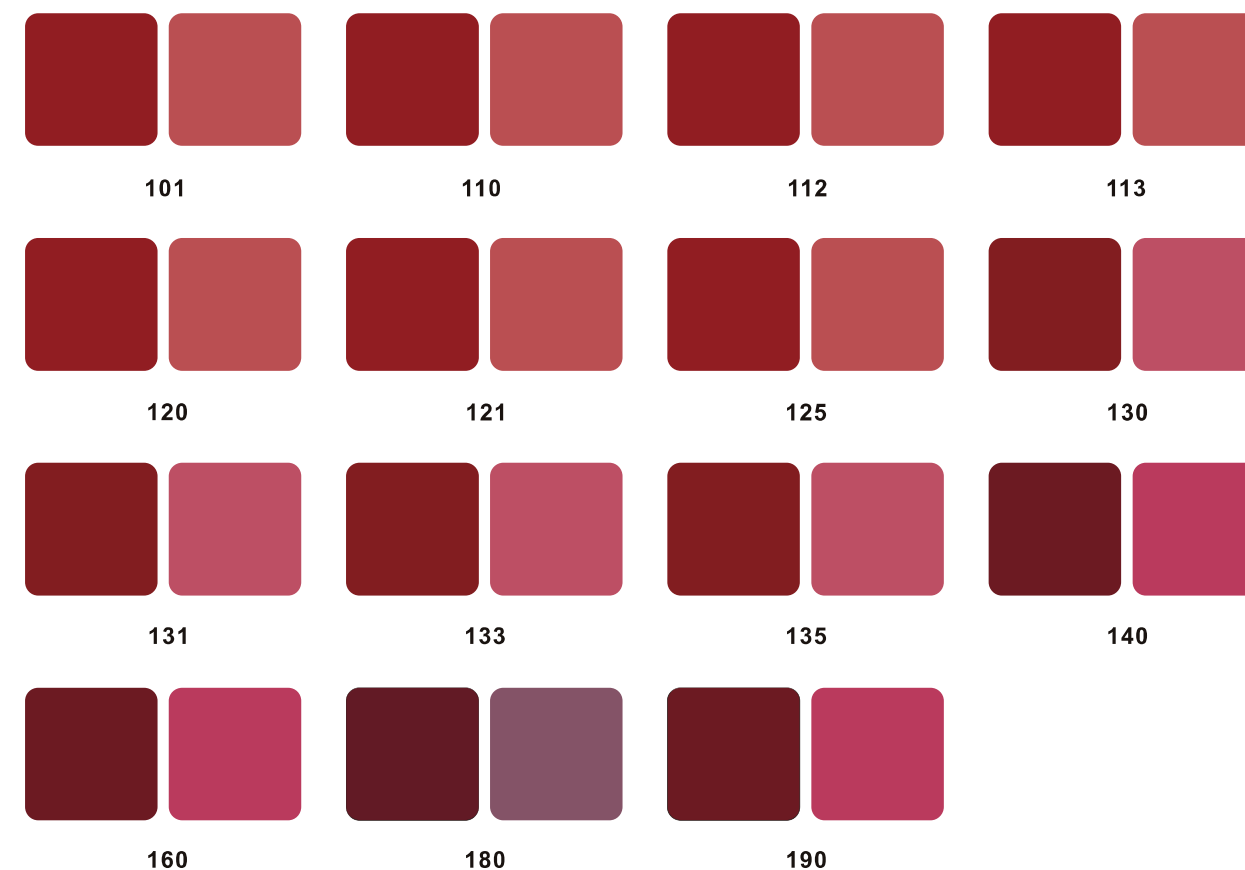
在各类颜料中，氧化铁颜料的产销量仅次于钛白粉，是第二个量大面大的无机颜料。氧化铁颜料颜色多，色谱广，遮盖力高，着色力强，主色有红、黄、黑三种，通过调配还可以得到橙、棕、绿等系列色谱的复合颜料。氧化铁颜料有很好的耐光、耐候、耐酸、耐碱及耐溶剂性，还具有无毒性等特点，广泛应用于建筑材料、涂料、油墨、塑料、陶瓷、造纸、磁性记录材料等行业中。

In all types of pigments, the production and sales of iron oxide pigment is after titanium dioxide only, is the second largest item of inorganic pigments. Iron oxide pigment has lots of colors, wide chromatography, high hiding power, tinting strength, majority color is red, yellow and black, can also get orange, brown, green and other colors through mixing. Iron oxide pigments have good light resistance, weatherability, resistant of acid, alkali and solvent, also has a non-toxic characteristics. It is widely used in building materials, paints, inks, plastics, ceramics, paper, magnetic recording materials and other industries.



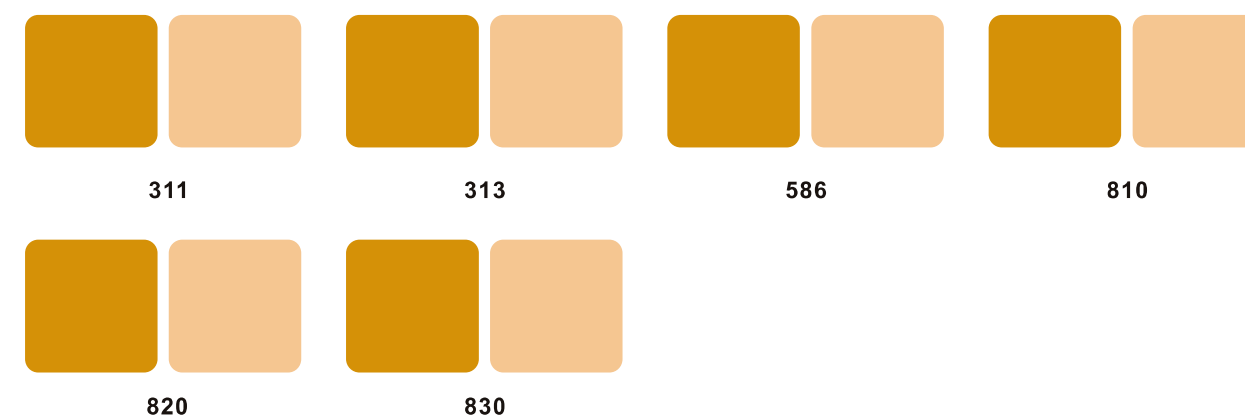
Iron Oxide Red 氧化铁红

MASS-TONE TINTING STRENGTH(1:10TiO₂) 本色-冲淡 (1:10 TiO₂)



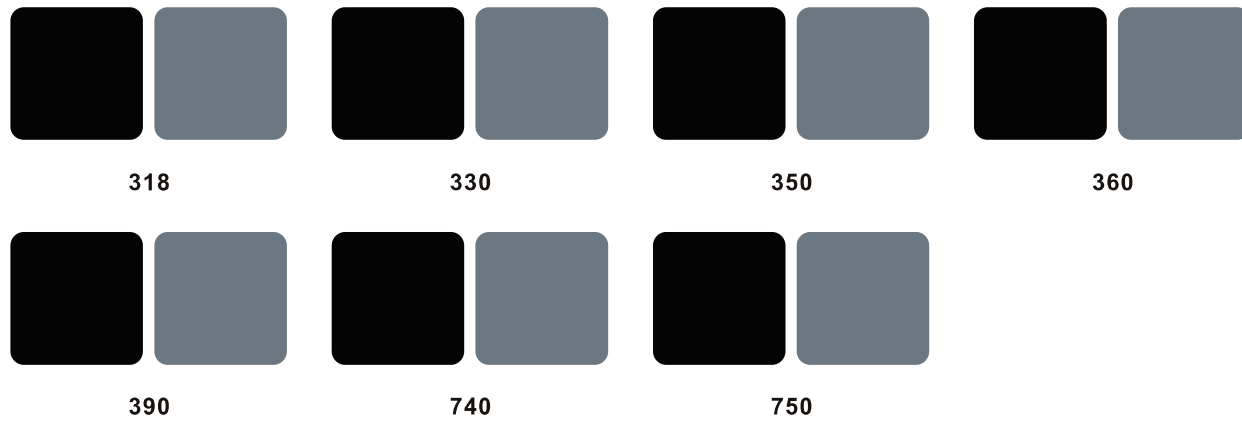
Iron Oxide Yellow 氧化铁黄

MASS-TONE TINTING STRENGTH(1:10TiO₂) 本色-冲淡 (1:10 TiO₂)



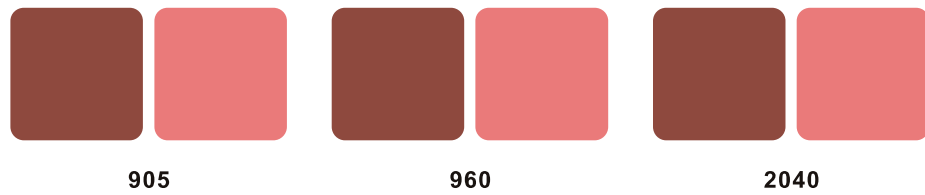
Iron Oxide Black 氧化铁黑

MASS-TONE TINTING STRENGTH(1:10TiO₂) 本色-冲淡 (1:10 TiO₂)



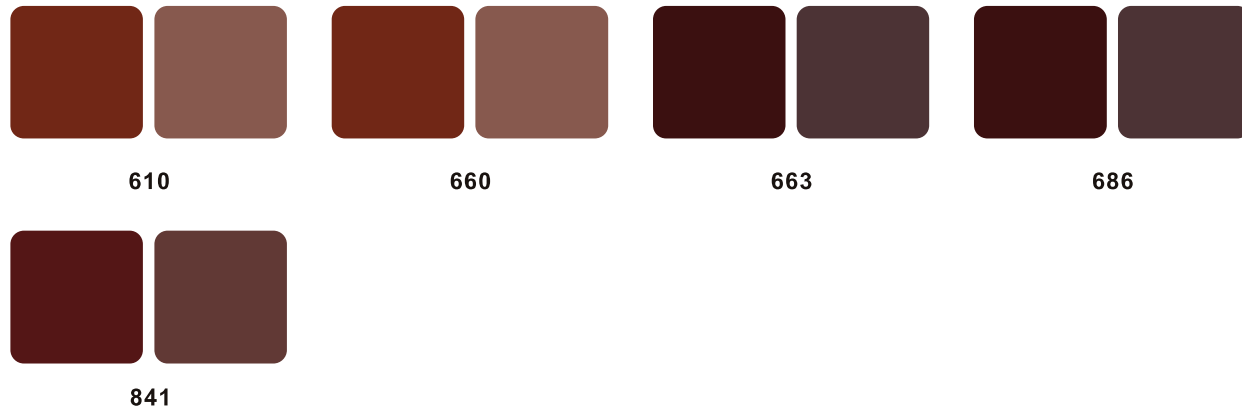
Iron Oxide Orange 氧化铁橙

MASS-TONE TINTING STRENGTH(1:10TiO₂) 本色-冲淡 (1:10 TiO₂)



Iron Oxide Brown 氧化铁棕

MASS-TONE TINTING STRENGTH(1:10TiO₂) 本色-冲淡 (1:10 TiO₂)



产品名称 Item	型号 Type	Fe ₂ O ₃ /Fe ₃ O ₄ ≥%	水分 Moisture Max. %	水溶盐 Water soluble salts Max. %	45μm 筛余物 Residue on 45μm Max. %	PH	吸油量 Oil absorption ml/100g	密度 Tamped apparent density g/cm ³	粒子形态 Particle shape
Iron Oxide Red C.I. Pigment Red 101 C.I.77491	101	96	1.0	0.3	0.20	3.5-8	15-25	1.0-1.1	Spherical
	110	96	1.0	0.3	0.20	3.5-8	15-25	1.0-1.1	Spherical
	112	96	1.0	0.3	0.20	3.5-8	15-25	1.0-1.1	Spherical
	113	96	1.0	0.3	0.20	3.5-8	15-25	1.0-1.1	Spherical
	120	96	1.0	0.3	0.20	3.5-8	15-25	1.0-1.1	Spherical
	121	96	1.0	0.3	0.20	3.5-8	15-25	1.0-1.1	Spherical
	125	96	1.0	0.3	0.20	3.5-8	15-25	1.0-1.1	Spherical
	130	96	1.0	0.3	0.20	3.5-8	15-25	1.0-1.1	Spherical
	131	96	1.0	0.3	0.20	3.5-8	15-25	1.0-1.1	Spherical
	133	96	1.0	0.3	0.20	3.5-8	15-25	1.0-1.1	Spherical
	135	96	1.0	0.3	0.20	4-8	15-25	1.0-1.1	Spherical
	140	96	1.0	0.3	0.20	4-8	15-25	1.0-1.1	Spherical
	160	96	1.0	0.3	0.20	4-8	15-25	1.0-1.1	Spherical
	180	96	1.0	0.3	0.20	4-8	15-25	1.0-1.1	Spherical
	190	96	1.0	0.3	0.20	4-8	15-25	1.0-1.1	Spherical
Iron Oxide Yellow C.I. Pigment Yellow 42 C.I.77492	311	86	1.0	0.3	0.30	3.5-7	25-35	0.4-0.6	Acicular
	313	86	1.0	0.3	0.30	3.5-7	25-35	0.4-0.6	Acicular
	586	86	1.0	0.3	0.30	3.5-7	25-35	0.4-0.6	Acicular
	810	86	1.0	0.3	0.30	3.5-7	25-35	0.4-0.6	Acicular
	820	86	1.0	0.3	0.30	3.5-7	25-35	0.4-0.6	Acicular
	830	86	1.0	0.3	0.30	3.5-7	25-35	0.4-0.6	Acicular
Iron Oxide Black C.I. Pigment Black 11 C.I.77499	318	90	1.0	0.5	0.30	5-8	15-25	1.0	Cube
	330	90	1.0	0.5	0.30	5-8	15-25	1.0	Cube
	350	90	1.0	0.5	0.30	5-8	15-25	1.0	Cube
	360	90	1.0	0.5	0.30	5-8	15-25	1.0	Cube
	390	90	1.0	0.5	0.30	5-8	15-25	1.0	Cube
	740	90	1.0	0.5	0.30	5-8	15-25	1.0	Cube
	750	90	1.0	0.5	0.30	5-8	15-25	1.0	Cube
Iron Oxide Orange Combination of C.I.77491,77492	905	88	1.0	0.5	0.30	4-7	20-30	0.8-1.0	Irregular
	960	88	1.0	0.5	0.30	4-7	20-30	0.8-1.0	Irregular
	2040	88	1.0	0.5	0.30	4-7	20-30	0.8-1.0	Irregular
Iron Oxide Brown Combination of C.I.77491,77492 77499	610	88	1.0	0.5	0.30	4-7	20-30	0.8-1.0	Irregular
	660	88	1.0	0.5	0.30	4-7	20-30	0.8-1.0	Irregular
	663	88	1.0	0.5	0.30	4-7	20-30	0.8-1.0	Irregular
	686	88	1.0	0.5	0.30	4-7	20-30	0.8-1.0	Irregular
	841	88	1.0	0.5	0.30	4-7	20-30	0.8-1.0	Irregular

氧化铬绿颜料，学名三氧化二铬，绿色晶状粉末，有金属光泽，有磁性，遮盖力强，耐高温，耐日晒，不溶于水，难溶于酸，在大气中比较稳定，对一般浓度的酸碱以及二氧化硫和硫化氢等气体无影响，具有优良突出的品质和坚固性。

主要应用于制造耐晒涂料、油漆、环氧地坪、耐磨地坪、防静电地坪，搪瓷、陶瓷釉。氧化铬可以用于玻璃、人造革、建筑材料的着色剂、制抛光膏和研磨材料，有机合成催化剂，冶炼金属和碳化铬等。

Chrome Oxide Green: Cr₂O₃

Properties of chrome oxide green common type: Green crystal powder, metal luster, magnetic, good covering strength, high-temperature-resisting and light fastness. Not soluble in water, insoluble in acids, comparatively stable in air, unaffected by acids and alkalis of common density, sulfur dioxide, sulfur hydrogen etc. Chrome oxide green enjoys excellent quality and firmness of coloring.

Application: In smelting of metal chrome, as coloring agent of chrome carbide, enamel, glass, artificial leather and building material, as organic synthetic catalyst, in making of light fastness coatings, special printing ink for paper, making of polishing ointment and abrasive etc.

产品名称 Item	型号 Type	Cr ₂ O ₃ ≥%	水分 Moisture Max. %	水溶盐 Water soluble salts Max. %	325μm 筛余物 Residue on 325μm Max. %	PH	吸油量 Oil absorption ml/100g	密度 Tamped apparent density g/cm ³	Cr ⁶⁺ 含量 Cr ⁶⁺ content ppm
CHROME OXIDE PIGMENT	RC6602	98	0.3	0.5	0.05	5-8	15-25	5.2	5-10
	RC6601	98	0.3	0.5	0.05	5-8	15-25	5.2	5-10
	RC6300	98	0.3	0.5	0.05	5-8	15-25	5.2	5-10
	RC6100	98	0.3	0.5	0.05	5-8	15-25	5.2	
	HH6608	99.5	0.2	0.3	0.2	5-8	15-25	5.2	
	HH6600	99	0.2	0.5	0.1	5-8	15-25	5.2	
	HD6510	99.2	0.3	0.3	0.3	5-8	15-25	5.2	5-10
	HD6310	99	0.2	0.5	0.3	5-8	15-25	5.2	
	HD6326	99	0.2	0.5	0.3	5-8	15-25	5.2	
	HD6376	99	0.2	0.5	0.3	5-8	15-25	5.2	
	HD6396	99	0.2	0.5	0.3	5-8	15-25	5.2	

					
HD6310(本色)	HD6310(Primary Colour)	HD6396(本色)	HD6396(Primary Colour)	HD6510(本色)	HD6510(Primary Colour)
					
HD6310(冲淡色)	HD6310(Diluted Colour)	HD6396(冲淡色)	HD6396(Diluted Colour)	HD6510(冲淡色)	HD6510(Diluted Colour)
					
HD6326(本色)	HD6326(Primary Colour)	HH6600(本色)	HH6600(Primary Colour)	RC6602(本色)	RC6602(Primary Colour)
					
HD6326(冲淡色)	HD6326(Diluted Colour)	HH6600(冲淡色)	HH6600(Diluted Colour)	RC6602(冲淡色)	RC6602(Diluted Colour)
					
HD6376(本色)	HD6376(Primary Colour)	HH6608(本色)	HH6608(Primary Colour)	RC6100(本色)	RC6100(Primary Colour)
					
HD6376(冲淡色)	HD6376(Diluted Colour)	HH6608(冲淡色)	HH6608(Diluted Colour)	RC6100(冲淡色)	RC6100(Diluted Colour)
					
RC6601(本色)	RC6601(Primary Colour)	RC6300(本色)	RC6300(Primary Colour)		
					
RC6601(冲淡色)	RC6601(Diluted Colour)	RC6300(冲淡色)	RC6300(Diluted Colour)		

Transparent Iron Oxide Pigments Dispersions

Items	Solvent-Borne	Water-Borne
Transparent Iron Oxide Yellow Dispersion	HDY-608	HDY-608W
Transparent Iron Oxide Red Dispersion	HDR-708	HDR-708W
Transparent Iron Oxide Green Dispersion	HDG-808	HDG-808W
Transparent Black Dispersion	HDB-908	HDB-908 W
Transparent Iron Oxide Brown Dispersion	HDB-1008	HDB-1008W

Transparent Iron Oxide Black Dispersion

Equivelents

U.K.JOHNSON AC0575	HDY-608-3
U.K.JOHNSON AC1070	HDR-708-5
GERMANY BASF L1916	HDY-618
GERMANY BASF L1915	HDY-608-2R
GERMANY BASF L2817	HDR-718
GERMANY BASF L2816	HDR-708-4R
U.K.JOHNSON AC3000	HDB-1008
U.K.JOHNSON AC0544	HDY-618
U.K.JONHSON AC1005	HDR-718

REAYOUNG TRANSPARENT IRON OXIDE PIGMENTS

Application:

Automotive paints, wood finishes, industrial coatings ,construction paints, leather coatings , plastic ,nylon,rubber ,print ink , cosmetics , toys ,foodstuff package.

Properties:

Non-toxic ,acid-resistance ,alkaline- resistance , heat stability ,weather fastness ,high gloss and colorstrength ,high level of transparency and UV absorption ,non-bleeding and non-migratory.

Environment Protection:

The content if heavy metals of the pigment meet the standard of European EN71 (1994) Part 3.

Technical Information:

The primary particle size if the pigment is between 15-40nm and the item has been valued as one of the statenew technology project in the year of 2000.

Transparent Iron Oxide Pigments

Items	Solvent-Borne	Universal
Transparent Iron Oxide Yellow	HDY-608-2R HDY-608-3	HDY-618
Transparent Iron Oxide Red	HDR-708-4R	HDR-718 HDR-708-5
Transparent Iron Oxide Brown		HDB-1008