

CATHAYCOAT™ MICRONIZED A GRADE

Colors Represent Mass Tone and Tint Tone (Reduction with TiO₂ 1:4)



IRON OXIDE RED

	RA11	RA12	RA13	RA14	RA14B
MASS TONE					
TINT TONE					
	RA15	RA15B	RA16	RA16B	RA18
MASS TONE					
TINT TONE					

IRON OXIDE YELLOW

	YA21E	YA22E	YA22B	YA23E	YA50E
MASS TONE					
TINT TONE					

IRON OXIDE BLACK

	BA30	BA31	BA33
MASS TONE			
TINT TONE			

Typical Physical Properties (Micronized A Grade)

Product Code	Pigment Index	Chemical Composition	Purity, % (as Fe ₂ O ₃)	Oil Absorption (g/100g)	Density (g/cm ³)	Sieve Residue on 325 mesh (%)	Water Soluble Salts (%)	pH	Moisture (%)	Hegman	Particle Shape	DE	Tinting Strength (%)
Test Method			BS1014	ISO 787-5	ISO 787-10	ISO 787-7	ISO 787-3	ISO 787-9	ISO 787-2	ASTMD1210	Electron Micrograph	ISO7724-2	ISO 8781-1

IRON OXIDE RED

RA11	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
RA12	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
RA13	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
RA14	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
RA14B	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
RA15	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
RA15B	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
RA16	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
RA16B	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
RA18	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105

IRON OXIDE YELLOW

YA21E	PY 42	Fe ₂ O ₃ •H ₂ O	86+	28-40	4.1	≤0.01	≤0.3	5-8	≤1	6.0+	Acicular	≤1	95-105
YA22E	PY 42	Fe ₂ O ₃ •H ₂ O	86+	28-40	4.1	≤0.01	≤0.3	5-8	≤1	6.0+	Acicular	≤1	95-105
YA22B	PY 42	Fe ₂ O ₃ •H ₂ O	86+	28-40	4.1	≤0.01	≤0.3	5-8	≤1	6.0+	Acicular	≤1	95-105
YA23E	PY 42	Fe ₂ O ₃ •H ₂ O	86+	28-40	4.1	≤0.01	≤0.3	5-8	≤1	6.0+	Acicular	≤1	95-105
YA50E	PY 42	Fe ₂ O ₃ •H ₂ O	86+	28-40	4.1	≤0.01	≤0.3	5-8	≤1	6.0+	Acicular	≤1	95-105

IRON OXIDE BLACK

BA30	PBk 11	Fe ₃ O ₄	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Cubic	≤1	95-105
BA31	PBk 11	Fe ₃ O ₄	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Cubic	≤1	95-105
BA33	PBk 11	Fe ₃ O ₄	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Cubic	≤1	95-105

The color chips represented here are as accurate as the printing process will allow, it may be slightly different from actual shades. This is for your reference ONLY. Please pay attention to the samples we send to you.