

CATHAYCOAT™ Standard S Grade

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



IRON OXIDE RED

	RS10	RS11	RS13	RS13B	RS14	RS16	RS18
MASS TONE							
TINT TONE							

IRON OXIDE YELLOW

	YS21	YS22E	YS22B	YS23
MASS TONE				
TINT TONE				

IRON OXIDE BROWN

	BRS80H	BRS82	BRS86	BRS88
MASS TONE				
TINT TONE				

IRON OXIDE BLACK

	BB30	BB33
MASS TONE		
TINT TONE		

IRON OXIDE ORANGE

	OS66	OS66
MASS TONE		
TINT TONE		

Typical Physical Properties (Standard S 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	ASTM D1210	Electron Micrograph	ISO 7724-2	ISO 8781-1

IRON OXIDE RED

RS10	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.1	≤0.3	5-8	≤1	3.0+	Spherical	≤1	95-105
RS11	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.1	≤0.3	5-8	≤1	3.0+	Spherical	≤1	95-105
RS13	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.1	≤0.3	5-8	≤1	3.0+	Spherical	≤1	95-105
RS13B	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.1	≤0.3	5-8	≤1	3.0+	Spherical	≤1	95-105
RS14	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.1	≤0.3	5-8	≤1	3.0+	Spherical	≤1	95-105
RS16	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.1	≤0.3	5-8	≤1	3.0+	Spherical	≤1	95-105
RS18	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.1	≤0.3	5-8	≤1	3.0+	Spherical	≤1	95-105

IRON OXIDE YELLOW

YS21	PY 42	Fe ₂ O ₃ •H ₂ O	86+	28-40	4.1	≤0.1	≤0.3	5-8	≤1	3.0+	Acicular	≤1	95-105
YS22E	PY 42	Fe ₂ O ₃ •H ₂ O	86+	28-40	4.1	≤0.1	≤0.3	5-8	≤1	3.0+	Acicular	≤1	95-105
YS22B	PY 42	Fe ₂ O ₃ •H ₂ O	86+	28-40	4.1	≤0.1	≤0.3	5-8	≤1	3.0+	Acicular	≤1	95-105
YS23	PY 42	Fe ₂ O ₃ •H ₂ O	86+	28-40	4.1	≤0.1	≤0.3	5-8	≤1	3.0+	Acicular	≤1	95-105

IRON OXIDE BROWN

BRS80H	Mixture	Mixture	88+	20-35	4.1-4.9	≤0.25	≤0.3	5-8	≤1	---	Irregular	≤1	95-105
BRS82	Mixture	Mixture	88+	20-35	4.1-4.9	≤0.25	≤0.3	5-8	≤1	---	Irregular	≤1	95-105
BRS86	Mixture	Mixture	88+	20-35	4.1-4.9	≤0.25	≤0.3	5-8	≤1	---	Irregular	≤1	95-105
BRS88	Mixture	Mixture	88+	20-35	4.1-4.9	≤0.25	≤0.3	5-8	≤1	---	Irregular	≤1	95-105

IRON OXIDE BLACK

BB30	PBk 11	Fe ₃ O ₄	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	---	Cubic	≤1	95-105
BB33	PBk 11	Fe ₃ O ₄	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	---	Cubic	≤1	95-105

IRON OXIDE ORANGE

OS66	Mixture	Mixture	86+	20-35	4.1-4.9	≤0.25	≤0.3	5-8	≤1	---	Irregular	≤1	95-105
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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.