

HIGH CHROMA RED

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



IRON OXIDE RED

	RA11A	RA11AB	RA12A	RA13A
MASS TONE				
TINT TONE				
	RA11YD	RA11YC	RA12YD	RA13YD
MASS TONE				
TINT TONE				

CATHAY INDUSTRIES, High Chroma Reds, broaden the color space of red iron oxide pigments.

Cathay's ability to lead the industry in the manufacturing of technologically superior iron oxide pigments, has enabled us to introduce a new range of High Chroma Reds, providing brighter color development, with excellent hydrophilic properties, low oil absorption and low viscosity providing elevated gloss.

- **Easy to disperse** – our unique technology and hydrophilic properties allow our High Chroma reds to be dispersed with ease in both water based (WB) and VOC free systems.
- **Intense Color Strength and Gloss** – compared to iron oxides with pastel to medium shades, our new High Chroma Reds ensure intense color strength and gloss.

Cathay Industries High Chroma Reds are manufactured using a unique technologically advanced process, allowing higher color strength, superior hydrophilic properties, whilst maintaining a softer crystal strength and wider pigment surface allowing a simplified dispersing process using High Speed Dispersers (HSD), increasing production capacity, saving energy and reducing cost.

With low oil absorption and low viscosity properties, our new High Chroma Reds are ideal for all paint systems.

Typical Physical Properties (High Chroma Red)

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

RA11A	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
RA11AB	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
RA12A	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
RA13A	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
RA11YD	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
RA11YC	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
RA12YD	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
RA13YD	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤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.