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CATHAYRED™

A New Class of Red Iron Oxide Pigments



CATHAY INDUSTRIES introduce **CATHAYRED™** new range of high performance Red Iron Oxide Pigments.

Leading global iron oxide pigment manufacturer **CATHAY INDUSTRIES** introduces **CATHAYRED™** a renewed and extended range of precipitated Red Iron Oxide Pigments specifically designed for the paint and coating industries.

Continuous refinement and enhancement of **CATHAY**'s proprietary wet precipitation process has led to a new range of red iron oxides **CATHAYRED™** that can effectively match the previously unattainable color space of Copperas Reds produced by thermal decomposition of ferrous sulphate.

CATHAYRED™ encompasses a wide range of high performance precipitated reds with a unique Hue and Chroma from salmon to dark red and blue shades featuring outstanding color and physical properties which are easy to wet, with high dispersibility, are chemically stable and can be used in a wide range of applications, including paint and coatings, rubber and plastic products, textile finishes, building materials and ceramics.

CATHAYRED™ range underpins **CATHAY INDUSTRIES** commitment to the industry as its proprietary and eco-friendly technology provides the long-term sustainability in quality, and supply the market has been seeking.

About CATHAY INDUSTRIES

CATHAY INDUSTRIES is one of the world's leading manufacturers of synthetic iron oxide pigments. The business areas of the company include iron oxide pigment for the construction industry, high technology grades for the use in coatings systems as well as highest purity iron oxides for cosmetics, food and pharmaceutical applications. The portfolio is complimented by a number of synergistic products. Established in 1979, the **CATHAY INDUSTRIES** GROUP, with production and office sites in the USA, China, Belgium, Australasia and South Africa and has been dynamically growing. The success of **CATHAY INDUSTRIES** is based on significant investment into latest production technologies.

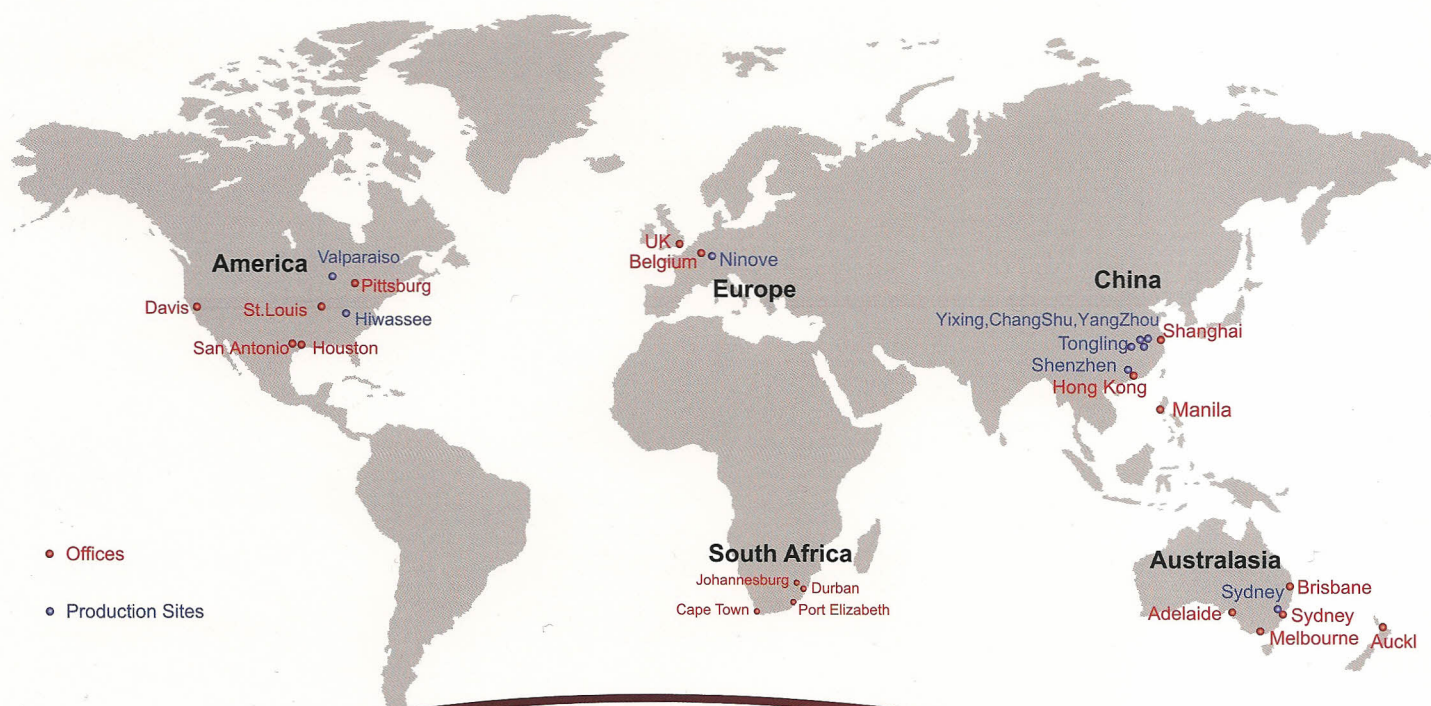


CATHAYRED™

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



Product Code	Pigment Index	Chemical Composition	Purity % (as Fe ₂ O ₃)	Oil Absorption g/100g	Density g/cm ³	Sieve Residue 45 micron mesh %	Water Soluble Salts %	pH	Moisture, %	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	Electron Micrograph	ISO 7724-2	ISO 8781-1
CATHAYRED™ Iron Oxide Red												
RA10YD	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	Spherical	≤1	95-105
RA11YD	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-9	≤1	Spherical	≤1	95-105
RA11YC	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-9	≤1	Spherical	≤1	95-105
RA12YD	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-9	≤1	Spherical	≤1	95-105
RA12BD	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-9	≤1	Spherical	≤1	95-105
RA13YD	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	Spherical	≤1	95-105
RA14YD	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-9	≤1	Spherical	≤1	95-105
RA18YD	PR 101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-9	≤1	Spherical	≤1	95-105



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