



Technical Data

Synthetic Red Iron Oxides

Synthetic Red Iron Oxides from Cathay Industries are high-quality inorganic color pigments suitable for a wide range of demanding colorant applications. Typical applications include masonry block, bricks, paving slabs, brick pavers, architectural, readymix concrete, roof tiles, sand/lime bricks and walling blocks.

Colors range from yellow-shade red oxide F2000 series, to blue-shade red iron oxide F4000 series. As with all Cathay Industries products the Synthetic Red Iron Oxides are produced to strict quality tolerances. Our products yield reliable performance properties which offer outstanding light fastness, opacity, chemical resistance, heat stability, exterior durability and compatibility.

PRODUCT NAME	FERROTINT RED IRON OXIDE
PRODUCT CODE	F2000, F2010, F2080, F2082, F2100, F2110, F2120, F2121, F2140, F2150, F2160, F2200, F2240, F2320, F2325, F2360, F3000, F3300, F3310, F3320, F3330, F3330S, F3330S-2, F3400, F4400, F4600, F4800
COLOUR INDEX NAME	PIGMENT RED 101(77491)
CHEMICAL FORMULA	Fe₂O₃
CAS NUMBER	1309-37-1

	<u>UNIT</u>	<u>SPECIFICATION</u>	<u>TEST METHOD</u>
Fe₂O₃ Content	%	80-100	BS1014
pH		3.0-8.0	ISO787-9
Moisture and other volatile matter at 105°C	%	≤1.0	ISO787-2
Oil Absorption	g/100g Approx	18-25	ISO787-5
Loss of Ignition at 1000 °C	%	≤4.0	DIN55913
Sieve Residue 45 micron mesh	%	≤0.5	ISO787-7
Water Soluble Salt	%	≤0.5	ISO787-3
Particle Shape		Spherical	
Tinting Strength vs Standard		100%+/-5.0%	ISO8781-1
Colour Difference VS Standard			ISO7724-2
dE		0.75	
dL		+/- 0.60	
da		+/- 0.50	
db		+/- 0.50	