

Technical Data Sheet

RB3800 Red Iron Oxide



Introduction:

Red iron oxide pigment

CAS No. 1332-37-2

EC No. 215-570-8

RB3800 Red Iron Oxide has excellent covering power and colour strength as well as improved mechanical handling and lower water demand.

RB3800 Red Iron Oxide meets the requirements of EN12878:2005

Uses:

RB3800 Red Iron Oxide is a non-fading, chemically stable pigment especially suitable for polymer and construction applications, as well as the various chemical uses of iron oxides. In addition, it has been engineered to assure excellent water wettability, alkali resistance, curing stability and lightfastness.

Typical Characteristics:

Composition			
	Substance	Unit	Value
	Fe ₂ O ₃	%	96
	Trace Compounds	%	3.5
	Moisture (Measured at time of production)	%	0.6
Properties			
	Description	Unit	Value
	Colour index		77491
	Colour difference (Cielab), TDE		1.0
	pH	---	3.5 - 7
	Particle Size	Sieve Residue on 324 mesh (5)	0.1
	Particle Shape	---	Rhombohedral
	Specific Gravity	g cm ³	4.9
	Water soluble salts	%	0.5
	Tinting Strength	%	95 - 105
	Soluble Chloride	%	0.004
	Total Chloride	%	0.006

Packaging:

25-kilo or 20-kilo multi-ply paper bags.

Shelf Life:

If stored in dry conditions, out of direct sunlight and avoidant of extreme temperatures, product performance should be unimpaired for 5 years.

Health & Safety:

Detailed advice on the Health & Safety aspects of this product is given in the individual product Safety Data Sheet (SDS), available upon request.