

PRODUCT DESCRIPTION

Type	: Red pigment
Delivery Form	: Powder
Chemical Class	: Synthetic iron oxide alpha-Fe ₂ O ₃
Use Recommendation	: Construction Industry

COLOR VALUES AND TINTING STRENGTH

Reference	Min	Max	Standard: ASTM Test Method
Reduction with titanium dioxide (1:2)	R-706		ASTM D 387
ΔL*	-0.7	+0.7	
Δa*	-0.7	+0.7	
Δb*	-0.7	+0.7	
ΔE* ab		1.0	
Binder	R-05		
Relative tinting strength [%]	95.0	105.0	ASTM D 387

TECHNICAL DATA

	Min	Max	Test Method
Water-Soluble Content [%]		1.0	ASTM D 1208
Sieve Residue 0.045mm [%]		0.5	ASTM D 185
Fe ₂ O ₃ [%]	95.0		ASTM D 50
Moisture (After Production) [%]		1.0	ASTM D 280
Loss on Heating 1000 ^o 1/2h [%]		5.0	ASTM D 1208
Particle Shape		Spherical	Electron Micrographs
Predominant Particle size [μM]		Approx. 0.2	Electron Micrographs
Oil Absorption [g/100g]		15~25	ASTM D 281
Density [g/ml]		~5.0	ASTM D 153

STANDARD PACKAGING

25 Kg. HDPE Bag

SHELF LIFE & STORAGE

Red Iron Oxide 130 has a shelf life of 18 months from date of manufacture when kept at a temperature between 5°C to 45 °C and store in the original, unopened bag. All material shall be stored under cover in a manner that will prevent damage preferable on pallets and protected from excessive heat and moisture. Do not freeze.

QUALITY ASSURANCE

AMBICA SPECIALITY CHEMICALS is a firm of Assessed Capability. The company's quality system conforms to ISO 9001:2015.

HEALTH & SAFETY

Red Iron Oxide 130 is no-toxic and non-flammable. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. Full health and safety data are given in Product Safety Data Sheet.