



Product Data

Chameleon™ Liquid Red A1010

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Pigment Red 101 • Color Index No. 77491 • CAS 1309-37-1

Chameleon™ Liquid Red Iron Oxide A1010

Description

Chameleon™ Liquid Red A1010 is a high tinting-strength suspension of light-shade Synthetic Iron Oxide Red pigment in water with surfactants and stabilizers that is designed specifically for use in a Chameleon™ automatic color dosing system. Red Iron Oxide is a pigment of extremely fine particle size, high tint strength and color stability and durability. Chameleon™ Liquid Red A1010 is made by grinding red iron oxide in water on high-speed grinding equipment for several hours in batch sizes of 600 gallons. Stabilizers and biocides are added to increase shelf life and keep the iron oxide in suspension. If settled, it may be re-suspended by simply stirring or recirculating the liquid. Each batch is measured throughout the process and verified on spectrophotometer equipment to certify it is on standard for tint strength and shade. It meets or exceeds ASTM C979-82 standards for pigments used in cement and is color-stable in processing temperatures up to 1000°C (1832°F). Iron oxide is stable under exposure to sunlight and UV radiation, and is alkali and weather resistant. Chameleon™ Liquid Red A1010 is packaged in 4000 Lb. semi-bulk disposable bins and also available in bulk tanker deliveries. *Uses: Chameleon™ automatic dosing system for Ready Mix, precast and other concrete products.*

Composition/Typical Properties

Fe ₂ O ₃ content (%)	60 – 63
SiO ₂ content (%)	<1
H ₂ O content (%)	35 – 40
Weight per Gallon (lbs)	16.0
Specific Gravity (g/cm ³)	1.93
Dry Solids (lbs/gal)	9.8
Water Soluble Salts (%)	<0.5
Viscosity (KU)	83
Viscosity (CPS)	1000
pH	8.5
Surfactant type	Anionic
Biocide type	Non-Mercurial
Settling	Very Slight
Particle Shape	Spherical
Predominant Particle Size (µm)	0.2 – 0.3

Typical Trace Metal Content in Parts Per Million (ppm)

Arsenic (As)	<1
Barium (Ba)	<10
Cadmium (Cd)	<0.1
Chromium (III) (Cr)	<0.2
Lead (Pb)	<1
Mercury (Hg)	<0.01
Selenium (Se)	<1
Silver (Ag)	<0.1

The values for typical contents and trace metals are provided as general information only. They are approximate values for reference and not specifications utilized in our standard QC procedures for color and consistency.

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