

Redicote[®] C-450

Emulsifier for cationic quick-set bitumen emulsions for slurry and microsurfacing. Break retarder for quick-set slurry surfacing and microsurfacing.

Benefits and Features

- **High reactive aggregates:** Cationic quick-set emulsions made with Redicote C-450 provide mix time even with reactive aggregates and in hot weather conditions.
- **Medium and Low reactive aggregates:** Used together with Redicote C-471 it provides emulsion recipes suitable for a wide range of aggregate reactivity and field conditions.
- **Water-soluble:** Its low viscosity and water solubility make it an ideal break retarder for slurry systems.
- **Microsurfacing:** Emulsions formulated with Redicote C-450 can meet specifications for microsurfacing as well as quick-set slurry surfacing.

Dosage

Cationic Quick Set Emulsion 0.7-1.5% pH 1.0-3.0 Hydrochloric acid

Specification

Amine value, mgKOH/g 470-510 SMA CL-002
Water, % 1 maximum SMA CL-007

Physical Properties

Appearance at 25°C (77°F) Liquid
Pour point, °C -5 (23°F)
Flash point, °C 200 (392°F)

	10	20	30	40	°C
	50	68	86	104	°F
Viscosity, mPa.s (cP)	8700	3100	1350	650	
Density, g/cc	0.97	0.96	0.96	0.95	
Density, lb/U.S.gal	8.08	8.04	8.00	7.96	

Physical Properties are typical data based on our own measurements or derived from the literature. They do not constitute part of the delivery specification

Storage and Handling

Redicote C-450 may be stored in carbon steel tanks. Bulk storage should be maintained at 25-50°C (77-122°F). Avoid extended heating above 65°C (150°F). Protect against exposure to moisture.

Redicote C-450 contains amines and may cause severe irritation or burns to skin and eyes. Protective gloves and safety goggles must be worn when handling this product.

For further information consult the Safety Data Sheet.

Packaging Information

Redicote C-450 is available in bulk shipment, in tight head steel drums of 400lb (182kg) net weight, or in one-way totes (IBCs) of 2000lb (907kg).

Notes

Redicote, Rediset, Kling, Perma-Tac, and Wetfix are registered trademarks in many countries.

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