



Redicote® C-590

Cationic emulsifier that is liquid at ambient temperatures used for rapid and medium set (CRS/CMS) emulsions suitable for chip seal (surface dressing) & scrub seal, tack coat and open graded cold mix

Benefits and features

- High emulsion viscosity**
 Emulsions prepared using Redicote C-590 have significantly higher viscosities, which allow specifications to be met at the minimum binder content
- Passes miscibility test with water**
 Redicote C-590 is often used to in emulsions for tack coat. The emulsions pass the miscibility test at low emulsifier dosage.
- Easy to handle**
 Redicote C-590 is a 100% active, solvent free liquid product with low viscosity and pour point
- Easy to use**
 Redicote C-590 readily dissolves in acidified water at ambient temperatures. It is an emulsifier well suited for use in both in-line and batch emulsion plants.

Storage and handling

Redicote C-590 may be stored in carbon steel tanks. Bulk storage should be maintained at 10-30°C (50-86°F). Redicote C-590 contains amines and may cause severe irritation or burns to skin and eyes. Protective goggles and gloves must be worn when handling this product. For further information consult the Safety Data Sheet.

Packaging information

Redicote C-590 is available in bulk shipment, or in tight head steel drums of 175 kg net weight, or in one-way totes (IBCs) of 850 kg net weight.

Dosage

Cationic rapid set emulsion	0.20-0.35%	pH 2-3 hydrochloric acid
Cationic medium set emulsion	0.30-0.60%	pH 2-3 hydrochloric acid

- The optimum dosage depends on the type of binders which should be determined by lab trials
- SBS modified binders may require higher dosage compared to unmodified binders or latex modified emulsions
- Changing the pH with a particular dosage of emulsifier will also influence viscosity, demulsibility and particle size of the emulsion

Specification

Amine value, mg KOH/g	160-185	KL625.81
Water, %	max 1.5	KL510.00

Physical properties

Appearance at 25°C (77°F)	dark brown liquid		
Flash point, °C	>200 (>392°F)		
Pour point, °C	3 (37°F)		

	20	30	40	°C
	68	86	104	°F
Density, g/cc	0.884	0.876	0.872	
Viscosity, mPa.s (cP)	154	100	58	

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

Contact us directly for detailed product information and sample request
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Nouryon

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