

Redicote® E-5

Emulsifier for cationic quick-set bitumen emulsions for quick-traffic slurry and micro surfacing

Benefits and features

- Small particle size:**
 Emulsions produced using Redicote E-5 have exceptionally small particle size suitable for prime coats and dust control
- Easy handling:**
 The low viscosity, low pour point and water solubility of Redicote E-5 makes it easy to use
- Co-emulsifier:**
 Redicote E-5 is a versatile co-emulsifier used to improve the quality and mixing behavior of cationic medium-setting emulsions
- No need for acid:**
 No acid is required for soap preparation. The neutral pH of the emulsion is preferred in applications like tack coats for concrete
- No APEs:**
 The product does not contain alkylphenolethoxylates

Storage and handling

Redicote E-5 contains 2-propanol, keep away from sources of ignition. Redicote E-5 contains water and chloride ion and 316 and 317L stainless steels or glass or polymer lined tanks are recommended. Bulk storage need not be heated. Redicote E-5 contains quaternary 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.

Dosage

Tack, prime and dust oil emulsions	0.8-1.5%	pH 2-7 hydrochloric acid
Cationic medium set emulsion	0.2-0.3%	pH 2-4 hydrochloric acid

Product is used together with 0.15-0.25% conventional emulsifier like Redicote E-4819

Specification

Activity, %	48-52	
pH (10% in water)	6-9	

Physical properties

Appearance at 25°C (77°F)	liquid		
Flash point, °C	16 (61°F)		
Pour point, °C	<-10 (<14°F)		

	10	20	30	°C
	50	68	86	°F
Density, g/cc	0.88	0.88	0.87	
Density, lbs/U.S. gal	7.34	7.27	7.22	
Viscosity, mPa s (cP)	40	26	15	

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

Packaging information

Redicote E-5 is available in bulk shipment, or in tight head lined steel drums of 390 lbs (177 kg) net weight.

Notes

Versions of this product with high flash point are available as Redicote E-605 (Americas market) or Arquad T/50HF (EMEA market).

For more information and sample formulations contact us at asphalt@nouryon.com.

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We operate in over 80 countries around the world and our portfolio of industry-leading brands includes Eka, Dissolvine, Trigonox, and Berol.

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