

Redicote[®] E-5 HF

Emulsifier and co-emulsifier for cationic bitumen emulsions used for tack, prime, and cold mix applications

Benefits and features

- Emulsion quality:**
 The product produces fine particle emulsions with good wetting power especially suitable for tack and prime applications. Fine particle size distribution also leads to relatively low settlement in the emulsions.
- Easy and safe handling:**
 The low pour point, high flash point and water solubility of Redicote E-5 HF makes it easy and safe to use
- No need for acid:**
 The product is water-soluble. When used as the sole emulsifier the use of acid in the recipe is optional.
- Mixing grade emulsions:**
 The product can be used together with other emulsifiers to produce emulsions for open graded cold mix with improved coating and workability

Storage and handling

Redicote E-5 HF contains chloride ion and stainless steels or glass or polymer lined tanks are recommended. Bulk storage need not be heated. Redicote E-5 HF 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.

Packaging information

Redicote E-5 HF is available in tight head polymer drums of 200kg (441lbs) net weight or in one-way totes (IBCs) of 950kg (2093lbs) net weight.

Dosage

Tack and prime coat	0.5-1.5%	pH 3-7 hydrochloric acid
Cationic mixing grade	0.2-0.4%*	pH 2-4 hydrochloric acid

No acid is required to prepare stable emulsions

* With 0.2-0.4% co-emulsifier like Redicote E-9

Specification

Activity, %	49-52	VE 2.007
pH (1% in water)	6-9	EP 2.002
Water, %	<3	VE 2.006

Physical properties

Appearance at 25°C	liquid
Flash point, °C	>100 (>212°F)
Pour point, °C	<0 (<32°F)

Density, g/cc at 25°C	0.95
Density, lbs/U.S. gal at 25°C	7.93

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

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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