

Redicote[®] EM44

Liquid emulsifier for cationic rapid and medium-setting bitumen emulsions suitable for chipseal, open graded cold mix and tack coat. Emulsifier for phosphoric acid slurry and micro surfacing systems.

Benefits and features

- Low use level:**
 0.12-0.22% is normally sufficient for rapid-set emulsions
- Emulsion quality:**
 Emulsions have good storage stability. The product is particularly suitable for polymer-modified bitumens.
- Medium viscosity:**
 High residue emulsions prepared using Redicote EM44 typically have medium or low viscosity which is useful when dealing with viscosity-building bitumens
- Easy handling and storage:**
 Redicote EM44 is a liquid, and is exceptionally easy to dissolve in even cold water during the preparation of emulsion soap phase. The product is suitable for both in-line and batch plants.

Storage and handling

Redicote EM44 may be stored in carbon steel tanks. Bulk storage should be maintained at 15-35°C (59-95°F). Redicote EM44 contains amines 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 EM44 is available in bulk shipment, in 55-gallon tight head drums of 180kg (397lb) net weight or in one-way totes (IBCs) of 900kg (1984lbs).

Dosage

Cationic rapid set emulsion	0.18-0.25%	pH 2-2.5 hydrochloric acid
Cationic medium set emulsion	0.35-0.60%	pH 1.5-3.0 hydrochloric acid
Slurry and microsurfacing	0.8-1.5%	pH 2-3 phosphoric acid

Specification

Total basic Nitrogen, %	5.6-6.4	AB-46-1234
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Physical properties

Appearance at 20°C	liquid
Flash point, °C	>100 (>212°F)
Pour point, °C	<5 (<41°F)
Density, g/cc at 20°C	0.93
Density, lbs/U.S. gal at 20°C	7.76
Viscosity, mPa.s (cP) at 20°C	450

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 are a global specialty chemicals leader. Markets worldwide rely on our essential chemistry in the manufacture of everyday products such as paper, plastics, building materials, food, pharmaceuticals, and personal care items. Building on our nearly 400-year history, the dedication of our 10,000 employees, and our shared commitment to business growth, strong financial performance, safety, sustainability, and innovation, we have established a world-class business and built strong partnerships with our customers.

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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