

Redicote[®] EM-44A

Emulsifier for cationic rapid and medium setting bitumen emulsions suitable for chip seal, tack coat and open-graded cold mix. Emulsifier for slurry surfacing and cold mix when used with phosphoric acid.

Benefits and features

- Easy dispersion:**
 The product is fully liquid, disperses very easily in water and is particularly suitable for in-line plants. Soap concentrates containing up to 20% active material can be prepared.
- Emulsion stability:**
 The product provides emulsions with excellent storage and pumping stability
- Low emulsion viscosity:**
 Emulsions produced with Redicote EM-44A have relatively low viscosity, which can be an advantage when dealing with problematic viscosity-building bitumens
- Phosphoric acid systems:**
 Redicote EM-44A can be used with phosphoric acid to produce emulsions suitable for micro surfacing or cold mix

Storage and handling

Redicote EM-44A may be stored in carbon steel tanks. Bulk storage should be maintained at 15-30°C (59-86°F). Redicote EM-44A 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 EM-44A is available in bulk shipment, in tight head steel drums of 360 lbs (163 kg) net weight, or in one-way totes (IBCs) of 2100 lbs (953 kg) net weight.

Dosage

Cationic rapid set emulsion	0.18-0.25%	pH 1.5-3.0 hydrochloric acid
Cationic medium set emulsion	0.25-0.50%	pH 1.5-3.0 hydrochloric acid
Micro surfacing	0.9-2.0%	pH 2-3 phosphoric acid

Specification

Amine value, mg KOH/g	200-230	VE 5.007
Water, %	max 1	VE 5.022

Physical properties

Appearance at 25°C	liquid
Flash point, °C	>100 (>212°F)
Pour point, °C	10 (50°F)

	20	30	40	50	°C
	68	86	104	122	°F
Density, g/cc	0.87	0.86	0.85	0.85	
Density, lbs/U.S. gal	7.24	7.18	7.14	7.11	
Viscosity, mPa s (cP)	1000	600	350	250	

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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