

Redicote[®] E-15

Emulsifier for cationic rapid- and medium-setting bitumen emulsions suitable for chip seal (surface dressing), tack coat and open graded cold mix

Benefits and features

- **Low use level:**
0.20-0.30% is normally sufficient for rapid-set emulsions
- **High emulsion viscosity:**
Emulsions prepared using Redicote E-15 have significantly higher viscosities, which allow specifications to be met at the minimum bitumen content
- **High demulsibility:**
Redicote E-15 can be used at high dosage (0.2-0.6%) while still meeting demulsibility requirements which gives the flexibility to solve emulsion stability and viscosity issues

Storage and handling

Redicote E-15 may be stored in carbon steel tanks. Bulk storage should be maintained at 25-40°C (77-104°F). Avoid extended heating above 65°C (150°F). Redicote E-16 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 E-15 is available in bulk shipment, or in tight head steel drums of 400 lbs (181 kg) net weight.

Dosage

Cationic rapid set emulsion	0.2-0.3%	pH 2-4.5, hydrochloric acid
Cationic medium set emulsion	0.3-0.5%	pH 1-4.5 hydrochloric acid

Specification

Amine value, mg KOH/g	156-165	SM 5.005
Water, %	max 1	VE 5.022

Physical properties

Appearance at 25°C	liquid
Flash point, °C	>175 (>347°F)
Pour point, °C	20 (68°F)

	30	40	50	60	°C
	86	104	122	140	°F
Density, g/cc	0.91	0.90	0.89	0.88	
Density, lbs/U.S. gal	7.57	7.49	7.41	7.34	
Viscosity, mPa s (cP)	250	100	34	30	

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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