

## Redicote<sup>®</sup> C-320E

Emulsifier for cationic slow-set bitumen emulsions formulated with phosphoric acid for quick-traffic slurry and microsurfacing

### Benefits and features

- **Low acid value bitumen:**  
Slurries show rapid cohesion development, even with low acid value bitumen and polymer modified asphalts. Acid additives are not normally required.
- **Fast cohesion development:**  
Redicote C-320E provides slurries and microsurfacing with fast cohesion development suitable for nightwork or cold weather paving
- **Easy handling:**  
The product is low viscosity even at low temperatures and soap solutions are easy to prepare

### Storage and handling

Redicote C-320E may be stored in carbon steel tanks. Bulk storage should be maintained at 10-30°C (50-86°F). Avoid extended heating above 65°C (150°F). Protect against exposure to moisture. All metal parts at the emulsion plant and the transfer pipes that come into contact with the soap solution and emulsion made with Redicote C-320E and phosphoric acid should be made of higher grade stainless steel such as 316L to prevent corrosion. Redicote C-320E contains amines and may cause severe irritation or burns to skin and eyes. Protective gloves and safety goggles must be worn when handling this product. For further information, consult the Safety Data Sheet.

### Packaging information

Redicote C-320E is available in bulk shipment, in tight head drums of 170kg (375lbs) net weight, or in one-way totes (IBCs) of 850kg (1873lbs) net weight.

### Dosage

Cationic quick set emulsion	0.8-1.5%	pH 2.0-3.5 phosphoric acid
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### Specification

Amine value, mg KOH/g	315-355	SMA CL-002
Water, %	max 1	SMA CL-007

### Physical properties

Appearance at 25°C (77°C)	liquid
Flash point, °C	>100 (>212°F)
Pour point, °C	0 (32°F)

Density, g/cc at 20°C	0.88
Density, lbs/U.S. gal at 20°C	7.35
Viscosity, mPa s (cP) at 20°C	48

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](mailto: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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