

Redicote® C-320

Emulsifier for cationic quick-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 bitumens and polymer modified bitumen. Acid additives are not normally required.
- Fast cohesion development:**
 Redicote C-320 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-320 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. Redicote C-320 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-320 is available in bulk shipment, in tight head steel drums of 400lb (181kg) net weight, or in one -way totes (IBCs) of 2000lb (907kg) net weight.

Notes

For more information on phosphoric acid based slurry systems see the booklet Redipave Slurry Surfacing System.

Dosage

Cationic quick set emulsion	0.8-1.5%	pH 2.0-3.5 phosphoric acid
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The product must be used with phosphoric acid

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)

	10	20	30	40	°C
	50	68	86	104	°F
Density, g/cc	0.89	0.88	0.87	0.87	
Density, lbs/U.S. gal	7.43	7.35	7.30	7.26	
Viscosity, mPa s (cP)	155	78	54	40	

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.

USA and Canada

Chicago, USA
T +1 800 906 9977

South America

Itupeva, Brazil
T +55 11 4591 8938

**Central America
and Caribbean**

Mexico City, Mexico
T +52 55 5261 7895

China

Shanghai, China
T +86 21 2220 5000

South East Asia

Singapore
T +65 6635 5183

India

Mumbai, India
T +91 22 6842 6700

Europe

Stenungsund, Sweden
T +46 303 850 00

Middle East

Dubai, United Arab Emirates
T +971 4247 1500

Russia

Moscow, Russia
T +7 495 766 1606

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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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