

Redicote[®] E-7000

Emulsifier for anionic and cationic slow set bitumen emulsions suitable for tack, prime, slurry seal, dust oil and cold mix applications. Emulsifier for slow set emulsion used in sealcoat manufacture.

Benefits and features

- Versatile emulsifier:**
 Provides both anionic and cationic emulsions suitable for a very wide range of applications
- Good adhesion:**
 Anionic emulsions made with Redicote E-7000 provide good adhesion to siliceous aggregates
- Easy handling:**
 The product is low viscosity and completely water soluble
- Tack, prime and dust oils:**
 The good wetting power and dilutability of Redicote E-7000 emulsions makes them particularly suitable for these applications
- Cold mix and slurry:**
 Emulsions provide good cohesion development in cold mix applications and can meet the requirements of quick-traffic slurry systems

Dosage

Cationic slow set emulsion	1.5-2.5%	pH 1.5-2.5 hydrochloric acid
Anionic slow set emulsion	1.5-2.5%	pH 10-12.5 sodium hydroxide

Anionic emulsion for sealcoat manufacture uses Redicote E-6945 co-emulsifier

Specification

Activity, %	min 27	KL 625.17
pH	5-7	KL 502.21

Physical properties

Appearance at 25°C (77°F)	liquid
Flash point, °C	>100 (>212°F)
Pour point, °C	<-7 (<20°F)

Storage and handling

Redicote E-7000 contains water: stainless steel or lined tanks are recommended for bulk stores. Redicote E-7000 is compatible with polyethylene and polypropylene. Product stored in bulk does not need to be heated. Redicote E-7000 is a concentrated surfactant and is irritating to skin and eyes. Protective goggles and gloves must be worn when handling this product.

For further information consult the Safety Data Sheet.

	10	20	30	40	°C
	50	68	86	104	°F
Density, g/cc	1.08	1.07	1.07	1.06	
Density, lbs/U.S. gal	9.02	8.90	8.89	8.86	
Viscosity, mPa s (cP)	45	31	26	24	

Physical properties are typical data based on our own measurements or derived from the literature. They do not constitute part of the delivery specification.

Packaging information

Redicote E-7000 is available in bulk shipment, in tight head polyethylene drums of 450 lbs (204 kg) net weight, or in one-way totes (IBCs) of 2350 lbs (1066 kg) net weight.

Notes

For regulatory reasons this product is not available within the EU.

For more information and sample formulations contact us at asphalt@nouryon.com.

USA and Canada

Chicago, USA
T +1 800 906 9977

China

Shanghai, China
T +86 21 2220 5000

Europe

Stenungsund, Sweden
T +46 303 850 00

South America

Itupeva, Brazil
T +55 11 4591 8938

South East Asia

Singapore
T +65 6635 5183

Middle East

Dubai, United Arab Emirates
T +971 4247 1500

Central America and Caribbean

Mexico City, Mexico
T +52 55 5261 7895

India

Mumbai, India
T +91 22 6842 6700

Russia

Moscow, Russia
T +7 495 766 1606

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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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