

Redicote[®] AP

Bitumen additive to improve emulsion quality, improve adhesion, slow down age-hardening, reduce polymer separation. Emulsifier for clay stabilized emulsions of asphalt or coal tar suitable for sealcoat manufacture.

Benefits and features

- Improved emulsion quality:**
 Redicote AP aids the emulsification of difficult binders including high softening point, oxidized and polymer modified bitumens. Redicote AP is suitable for most grades of anionic and cationic emulsion.
- Polymer compatibility:**
 Polymer modified bitumens containing Redicote AP show less separation during storage
- Emulsifier for clay stabilized emulsions and sealcoats:**
 Chromic acid is eliminated from clay stabilized emulsion recipes. Sealcoats with Redicote AP show improved water resistance
- Slower age-hardening:**
 Bitumen treated with Redicote AP shows reduced hardening in accelerated ageing tests

Storage and handling

Redicote AP may be stored in carbon steel tanks. Bulk stores should be maintained at 15-35°C (59-95°F). Redicote AP 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 AP is available in bulk shipments or in tight head steel drums of 420 lbs (191 kg) net weight, or in one-way totes (IBCs) of 2000 lbs (907 kg) net weight.

Dosage

Improved emulsion quality	0.3-0.5%	basis binder content
Clay stabilized emulsions	1.0-2.0%	basis binder content
Additive for hot mixes	0.3-1.0%	basis binder

Specification

Amine value, mg KOH/g	140-170	VE 5.021
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Physical properties

Appearance at 25°C (77°F)	liquid
Flash point, °C	>300 (>570°F)
Pour point, °C	<0 (<32°F)

	10	20	30	40	°C
	50	68	86	104	°F
Density, g/cc	0.96	0.94	0.93	0.93	
Density, lbs/U.S. gal	8.01	7.85	7.81	7.74	
Viscosity, mPa s (cP)	3500	1500	700	400	

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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