

Redicote[®] E-4819

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

- **High emulsion viscosity:**
Emulsions prepared using Redicote E-4819 have significantly higher viscosities, which allow specifications to be met at the minimum bitumen content
- **Low use level:**
0.15-0.22% is normally sufficient for rapid-set emulsions

Storage and handling

Redicote E-4819 may be stored in carbon steel tanks. Bulk storage should be maintained at 35-50°C (95-122°F). Avoid extended heating above 65°C (150°F). Redicote E-4819 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-4819 is available in bulk shipment, or in tight head steel drums of 360 lbs (163 kg) net weight.

Notes

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

Dosage

Cationic rapid set emulsion	0.15-0.22%	pH 2-4.5 hydrochloric acid
Cationic medium set emulsion	0.25-0.35%	pH 1-4.5 hydrochloric acid

Specification

Amine value, mg KOH/g	258-278	SM 5.005
Water, %	max 1	VE 5.022

Physical properties

Appearance at 25°C	paste			
Flash point, °C	>175 (>347°F)			
Pour point, °C	30 (86°F)			

	30	40	50	60	°C
	86	104	122	140	°F
Density, g/cc	0.84	0.83	0.82	0.82	
Density, lbs/U.S. gal	6.98	6.91	6.84	6.79	
Viscosity, mPa s (cP)	37	20	9	7	

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 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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