

Redicote® E-4900

Liquid 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-4900 have significantly higher viscosities, which allow specifications to be met at the minimum bitumen content.
- Easy to handle:**
 Redicote E-4900 is a 100% active, solvent free liquid product with low viscosity and pour point.
- Low use level:**
 0.15-0.22% is normally sufficient for rapid-set emulsions.
- Easy to use:**
 Redicote E-4900 readily dissolves at water temperatures above 104°F/40°C with good mixing. It is suitable for both in-line and batch emulsion plants under these conditions.

Storage and handling

Redicote E-4900 may be stored in carbon steel tanks. Bulk storage should be maintained at 15-30°C (59-86°F). Redicote E-4900 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-4900 is available in bulk shipment, or in tight head steel drums of 360 lbs (163 kg) net weight, or in one-way totes (IBCs) of 1800 lbs (816 kg) net weight.

Dosage

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

Use with warm water (minimum 104°F/40°C) to ensure complete dissolution into soap solution

Specification

Amine value, mg KOH/g	235-255	SM 5.005
Water, %	1 maximum	VE 5.022

Physical properties

Appearance at 25°C	Liquid		
Pour point, °C	3 (37°F)		
Flash point, °C	>100 (>212°F)		

	20	30	40	°C
	68	86	104	°F
Viscosity, mPa.s (cP)	19	13	9	
Density, g/cc	0.85	0.84	0.83	
Density, lbs/U.S. gal	7.05	7.01	6.96	

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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Nouryon

We create ingredients for the manufacture of life's essentials. You'll find our products all around you, in things like food, buildings, and everyday items like your children's toys.

Sustainability is at the heart of everything we do, and we rank #1 in the Dow Jones Sustainability Index. To keep devising sustainable, innovative solutions for the problems posed by everyday life, we want to work with the very best people and partners – like you.

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