

# Redicote<sup>®</sup> EM-44A

Emulsifier for cationic rapid- and medium-setting bitumen emulsions suitable for chipseal, tack coat and open-graded cold mix. Emulsifier for slurry surfacing and cold mix when used with phosphoric acid.

## Benefits and Features

- **Easy Dispersion:** The product is fully liquid, disperses very easily in water and is particularly suitable for in-line plants. Soap concentrates containing up to 20% active material can be prepared.
- **Emulsion Stability:** The product provides emulsions with excellent storage and pumping stability.
- **Low Emulsion Viscosity:** Emulsions produced with Redicote EM-44A have relatively low viscosity, which can be an advantage when dealing with problematic viscosity-building bitumens.
- **Phosphoric Acid systems:** Redicote EM-44A can be used with phosphoric acid to produce emulsions suitable for microsurfacing or cold mix.

## Dosage

Cationic Rapid Set Emulsion	0.18-0.25%	pH 2-4.5 Hydrochloric acid
Cationic Medium Set Emulsion	0.25-0.50%	pH 1-4.5 Hydrochloric acid
Microsurfacing	0.9-2.0%	pH 2-3 Phosphoric acid

## Specification

Amine value, mgKOH/g	200-230	VE 5.007
Water, %	1 maximum	VE 5.022

## Physical Properties

Appearance at 25°C (77°F)	Liquid
Pour point, °C	10 (50°F)
Flash point, °C	>100 (>212°F)

	20	30	40	50	°C
	68	86	104	122	°F
Viscosity, mPa.s (cP)	1000	600	350	250	
Density, g/cc	0.87	0.86	0.85	0.85	
Density, lb/U.S.gal	7.24	7.18	7.14	7.11	

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

## Storage and Handling

Redicote EM-44A may be stored in carbon steel tanks. Bulk storage should be maintained at 15-30°C (59-86°F).

Redicote EM-44A 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 EM-44A is available in bulk shipment, in tight head steel drums of 360lb (163kg) net weight, or in one-way totes (IBCs) of 2100lb (963kg).

## Notes

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