

## TECHNICAL DATA SHEET

# IRTEC AB-1

### APPLICATION:

**IRTEC AB-1** is an emulsifiers employed for manufacturing slow setting cationic bitumen emulsions used for different application.

**IRTEC AB-1** must be neutralized in the water phase with hydrochloric acid (HCl) before emulsion production.

**IRTEC AB-1** is totally compatible with other product ammine based.

**IRTEC AB-1** can be employed for producing emulsion used in different construction technologies (priming coat, slurry seal, dense graded cold mixes, soil and sand stabilizations, gravel-emulsion mixes, recycling of bituminous mixes, etc.) and, in general, in those applications where emulsion is mixed with high fines content aggregates of different nature.

### DOSAGE:

The dosage for grave emulsion, recycling of asphalt mixes and dense mixes lies between 0.6% and 1.0% (w/w) of the emulsion.

The dosage for priming coats, soil stabilizations and anti-dust seals lies between 0.3% and 0.6% (w/w) of the emulsion.

Recommended water phase pH between 1.5 and 2.0.

### CHEMICAL FAMILY:

**IRTEC AB-1** is made of an organic copolymer with amine groups and surfactant properties.

### PHYSICAL AND CHEMICAL PROPERTIES:

State	Highly viscous liquid
Colour	Amber
Amine Index	430 ± 50mg KOH/g
Viscosity at 60°C, St	14 ± 2
Density at 60 °C,	0.97 ± 0.04
g/cm <sup>3</sup>	

### STORAGE:

Stable at room temperatures if stored in closed containers and at shadow.

### PACKAGE:

**IRTEC AB-1** is delivered in metal barrels of 195 kg.

### SAFETY:

Amine products should be handled with care. In order to avoid injuries, protective gloves and safety goggles should be used. For further information, see our Safety Data Sheet.

The information contained herein is indicative only and without express guarantee. As no control can be exercised over its use, we cannot be held responsible for any damage which may result from its misuse.