



## TECHNICAL DATA SHEET

# IRTEC – RVK

### APPLICATION:

**IRTEC-RVK** is an emulsifier employed for manufacturing rapid setting cationic bitumen emulsions with high viscosity used for application in tack-coat and surface treatments.

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

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

**IRTEC-RVK** must be melted at 50°C for being pumped and used in continuous emulsion plants. For best dissolution in water use small quantitative of hydrochloric acid (HCl).

### DOSAGE:

A recommended dosage depends on raw materials characteristics and desired type of emulsion. It is normally employed in dosages between 0.20% and 0.35% (w/w) of the emulsion. Recommended water phase pH between 2.5 and 3.5.

### CHEMICAL FAMILY:

**IRTEC-RVK** is an amine product, mainly constituted by fatty diamines.

### STORAGE:

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

### PACKAGE:

**IRTEC-RVK** is delivered in steel drums of 165 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.

### PHYSICAL AND CHEMICAL PROPERTIES:

Appearance at 20°C		Amber Paste
Specific gravity at 50°C, g/cm <sup>3</sup>		0,825
Specific gravity at 90°C, g/cm <sup>3</sup>		0,805
Pour point, °C	(ASTM D-1982)	40-45
Total amine value, mg OHK/g	(ASTM D 2073/81)	300 ± 25
Iodine index (g 1/100g)		26-33
Solidification Point °C		>99 %
HCL 22°Be to neutralize 1Kg		500 g

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