

TECHNICAL DATA SHEET



PRODUCT: **IRTEC – RK100**

APPLICATION: **IRTEC-RK100** is an emulsifier employed for manufacturing rapid setting cationic bitumen emulsions used for application in tack-coat and surface treatments.

IRTEC-RK100 must be neutralized in the water phase with hydrochloric acid (HCl) before emulsion production.

IRTEC-RK100 is totally compatible with other product ammine based.

IRTEC-RK100 is a solid product becoming liquid at 40-50°C. 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 0.30% (w/w) of the emulsion. Recommended water phase pH between 2.5 and 3.5.

CHEMICAL FAMILY: **IRTEC-RK100** is an amine product, mainly constituted by Alkyl polyamine derivative.

PHYSICAL AND CHEMICAL PROPERTIES:	Appearance at 20°C	Yellow-brown solid
	Specific gravity at 25°C, g/cm ³	0.85±0.05
	Flash point °C	>150
	Active content (ASTM D-92)	>99 %
	Viscosity at 60°C, cP	7
	Melting point, °C	35±5

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

PACKAGE: **IRTEC-RK100** 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.

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