



TECHNICAL DATA SHEET

IRTEC – RQ

APPLICATION:

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

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

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

IRTEC-RQ can be used either in batch and continuous emulsion plants because liquid and pumping at room temperature. 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-RQ is an amine product, mainly constituted by Alkyl polyamine derivative.

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance at 20°C	Amber Liquid
Specific gravity at 50°C, g/cm ³	0.89±0.03
Solidification Point °C	<15
Total ammine index (mg KOH/g)	140-160
Alkalinity (meq HCl/g)	2,5-3,0

STORAGE:

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

PACKAGE:

IRTEC-RQ is delivered in steel drums of 180 kg or 900 kg cisterns.

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.