



## TECHNICAL DATA SHEET

# IRTEC – AL

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### APPLICATION:

**IRTEC-AL** is an emulsifier employed for manufacturing rapid and medium setting anionic bitumen emulsions used for application in tack-coat, surface treatments and other applications when aggregates are limestone type. Medium setting emulsions are especially suitable for application in open graded cold mixes with limestone.

**IRTEC-AL** must be neutralized in the water phase with caustic soda (NaOH) or potassium hydroxide (KOH) before emulsion production.

**IRTEC-AL** can be use either in batch and continuous emulsion plants because liquid and pumping at room temperature. For best dissolution in water use small quantitative of caustic soda (NaOH) or potassium hydroxide (KOH).

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### DOSAGE:

A recommended dosage depends on raw materials characteristics and desired type of emulsion. It is normally employed in dosages between 0.30% and 1.00% (w/w) of the emulsion. Recommended water phase pH between 11 and 12.

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### CHEMICAL FAMILY:

**IRTEC-AL** is a fatty acid.

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### PHYSICAL AND CHEMICAL PROPERTIES:

Appearance at 20°C	Amber Liquid
Specific gravity at 25°C, g/cm <sup>3</sup>	0.95 ± 0.05
Solubility in water at 25°C	no
Flash point °C	>150
Saponification value, mg OHK/g	190 ± 20
Acid value, mg/OHK/g	185 ± 20
Viscosity at 20°C, poises	< 5

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### STORAGE:

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

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### PACKAGE:

**IRTEC-AL** is delivered in steel drums of 190 kg or 950 kg IBC.

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### SAFETY:

This product 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.