

# STARACID G-31

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EMULSIFIER FOR RAPID SETTING CATIONIC BITUMINOUS EMULSIONS

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STARACID G-31 is a liquid emulsifier, based on amido-polyamines, for cationic bitumen emulsions production.

## Chemical-Physical Properties

Appearance	Liquid
Odour	Ammoniacal
Colour	Yellow
PH	Alkaline
Density at 20°C	940 kg/m <sup>3</sup> ca.
Boiling Point	>100°C
Viscosity at 20°C	400 cP.
Flash Point	>100°C
Solubility in water	Dispersible

## Application

STARACID G-31 is used for tack-coat bituminous emulsions, for roads construction and maintenance.

## Advantages

STARACID G-31 is used for rapid and medium setting bituminous emulsions. STARACID G-31 is solved in the water-phase batch tank (35-45°C) and then saponified using hydrochloric acid before the emulsification process.

## Modality of use

STARACID G-31 dosage varies in according to applications and stability of bituminous emulsions.

Normally the batching varies from 0,15% to 0,60% of the final bitumen weight.

## Formulation guideline for fast setting emulsion for tack-coat

Bitumen 80/100	55% p.p.
STARFLUX ST	1% p.p. of the bitumen
Water	q.b. 100% p.p.
STARACID G-31	0.2% p.p. of the emulsion
Hydrochloric Acid	pH soapy solution 2

## Package

200 kg net in steel drums.

## Storage

STARACID G-31 can be stored for 36 months in original and closed pack. In function of the storage temperature the product can assume a doughy consistency, however the qualitative characteristics are not at risk.

## Warning

For more information on classification, measures of protection and provisions in case of fire, please see the Safety Data Sheet available upon request.

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The present card contains technical information of our products at our best knowledge. STAR ASPHALT S.p.A. assumes responsibility exclusively for the applications carried out under its directly supervision.

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