



# POLYEM CA-30

## DESCRIPTION

Liquid emulsifier in aqueous solution based on quaternary ammonium salts, for the production of cationic bituminous emulsions at slow breaking speed. Used for the production of bituminous emulsions for the construction and maintenance of road paving.

## APPLICATION

POLYEM CA-30 is suitable to produce acidic (cationic) bituminous emulsions at slow breaking speed and in particular to produce over-stabilized cationic bituminous emulsions, destined for the following applications:

- Emulsions designed to be mixed with aggregates, such as: cold plastic conglomerates, cold microtapes, semi-open asphalts, etc.
- Emulsions designed to be very stable even if mixed with very fine aggregates, such as: cold milling, slurry-seal, land stabilization, etc.

## DIRECTIONS OF USE

POLYEM CA-30 is dissolved in water, at a temperature of 40 ° C and if necessary acidified with hydrochloric acid, bringing the pH of the final solution to a value of about 3-5.

POLYEM CA-30 can be used for the production of emulsions both modified with water phase elastomers (lactic), and with the use of modified bitumen with polymers (PMB). POLYEM CA-30 is used all over the world and can work with all types of aggregates and bitumen and with different weather conditions.

## DOSAGE

The POLYEM CA-30 dosage varies from 0.8% to 1.2% on the weight of the final emulsion, depending on the type of application to be carried out and the desired breaking index.

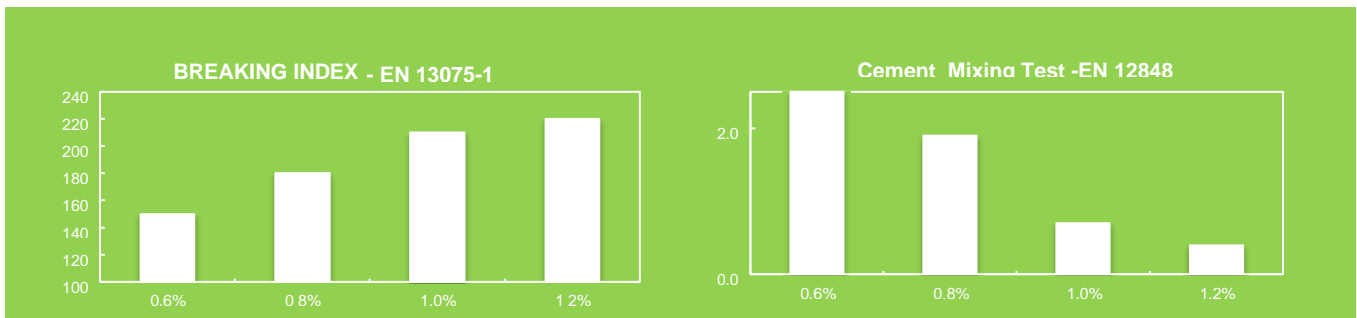
## FORMULATION

### ***Super-Stable Bitumen Emulsion for "Recycling of Cold Milled"***

Bitumen 70/100	: 60% w/w
POLYEM CA-30	: 1% w/w
HCl (Hydrochloric acid)	: 0 - 0,3% w/w (pH soapy solution = 3 - 6)
Water	: q.b. 100% w/w

### ***Bitumen Emulsion Properties***

<b>FEATURES</b>	<b>METHOD</b>	<b>SPECIFIC</b>	<b>VALUE</b>
BREAKING INDEX	EN 13075-1	>170	210
CEMENT MIXING TEST	EN 12848	<2	0,3



## STORAGE

POLYEM CA-30 can be stored for 24 months in original and closed packaging, at a temperature between 5 ° C and 30 ° C.

## SAFETY

For more information on classification, protection measures and measures in case of fire, please refer to the product safety data sheet, available on request.

## WARNINGS

Advice on how to use correspond to the current state of our knowledge and do not involve the assumption of any guarantee and / or responsibility on the result of the work. Therefore, they do not exempt the customer from the responsibility of verifying the suitability of the products for use and the intended purposes through preventive tests.