

# MAPEI EM L2

Emulsifier for rapid-setting cationic bitumen emulsions

## DESCRIPTION

**Mapei EM L2** is a cationic alkyl polyamine-based emulsifier for acid rapid-setting bituminous emulsions.

## WHERE TO USE

- **Mapei EM L2** may be used in the production of tack coat rapid-setting bituminous emulsions.
- **Mapei EM L2** may be used in the production of tack coat medium-setting bituminous emulsions.
- **Mapei EM L2** may be used as co-surfactant in the production of medium and slow-setting bituminous emulsions.

## TECHNICAL CHARACTERISTICS

**Mapei EM L2** is a modified alkyl polyamine-based cationic emulsifier in water solution. The product has particular chemical and physical characteristics that create finely dispersed bituminous mixes quite resistant to coalescence, thereby enabling stable bituminous emulsions, for a short-medium period of storage.

## RECOMMENDATIONS

Do not dilute **Mapei EM L2** with solvent, glycol or glycerine.

## HOW TO USE THE PRODUCT

**Mapei EM L2** must be dispersed in the water phase of the bituminous emulsion at temperature of +40°C to +55°C and acidified with HCl to a pH level of 1 to 2 upH. Once **Mapei EM L2** has been dispersed in the water phase and then stirred for at least 20 minutes, check the pH level again and, if required, add more HCl to bring the pH level back to between 1 and 2 upH.

### Compatibility

**Mapei EM L2** is compatible with other emulsifiers for MAPEI acid bituminous emulsions, such as **Mapei EM Q5**, **Mapei EM Q4** and **Mapei EM P**. Make sure the various combinations are verified and agreed upon beforehand with the MAPEI R&D laboratory so that final quality is not compromised.

## CONSUMPTION

Consumption of **Mapei EM L2** is heavily influenced by the type of bitumen used, the percentage of binder in the emulsion, the type of colloidal mill used and all other conditions that have an effect on the production process of the bituminous emulsion. The recommended consumption rate for **Mapei EM L2** is normally between 0.2% and 0.5% of the total weight of the bituminous emulsion. Different dosage rates must be tested beforehand in the laboratory.

## PACKAGING

Mapei EM L2 is supplied in 950 kg IBC containers, 190 kg drums and 20 kg buckets.

## STORAGE

Store **Mapei EM L2** in its original, sealed container away from sources of heat and direct sunlight at a temperature of +10°C to +40°C. Use the product within 24 months of manufacture. For further information please refer to the product's SDS.

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website [www.mapei.com](http://www.mapei.com).  
PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)			
Characteristic	Unit	Specification	Method
Appearance at +25°C:		liquid	visual
Colour:		amber-yellowish	visual
Density:	g/cm <sup>3</sup>	0.94-0.98	ISO 758
pH:	upH	8-11	ISO 4316

## WARNING

*Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.*  
Please refer to the current version of the Technical Data Sheet, available from our website [www.mapei.com](http://www.mapei.com)

## LEGAL NOTICE

*The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.*  
*The most up-to-date TDS can be downloaded from our website [www.mapei.com](http://www.mapei.com).*  
**ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.**

8681-7-2020-gb

Any reproduction of texts, photos and illustrations published here is prohibited and subject to prosecution

