

PLASTIMUL C

Solvent-free concentrated bitumen emulsion for treating substrates before applying waterproofing products from the Plastimul line



WHERE TO USE

This product is applied before applying waterproofing products from the **Plastimul** line and is used to even out and improve their adhesion to the bonding surface on concrete or brickwork substrates (vibro-compressed concrete blocks, solid bricks, airbricks, cellular concrete blocks, lightweight bricks and pumice bricks).

TECHNICAL CHARACTERISTICS

Plastimul C is a concentrated, one-component, solvent-free bitumen emulsion produced according to a formula developed in MAPEI Research & Development laboratories.

When diluted, **Plastimul C** may be applied by brush or roller and is resistant to aggressive substances normally found in the ground.

After application, **Plastimul C** dries quickly and improves the adhesion of **Plastimul** waterproofing products applied later. **Plastimul C** adheres to dry and slightly damp substrates.

RECOMMENDATIONS

- Do not dilute **Plastimul C** with solvents.
- Do not mix **Plastimul C** with cement or admixtures.
- Do not apply **Plastimul C** if the temperature is lower than +5°C or higher than +30°C.
- Do not apply the product on old bitumen substrates or on substrates containing tar.

APPLICATION PROCEDURE

Substrate preparation

Before applying **Plastimul C** on masonry, make sure the surface is perfectly clean, sound and sufficiently even. Carefully remove from the surface all traces of mortar protruding from between the bricks or blocks and fill any gaps in the joints with **Planitop Fast 330** rapid-hardening, fibre-reinforced cementitious mortar, **Mapegrout Thixotropic** shrinkage-compensated, fibre-reinforced mortar or **Mapegrout T60** if sulphate-resistant mortar is required.

As an alternative, use sand/cement mortar admixed with **Planicrete** latex rubber for cementitious mixes.

Before applying **Plastimul C** on concrete make sure the surface is sound and perfectly clean. Remove cement laitance, loose and crumbling parts and traces of dust, grease, oil and form-release compounds by sandblasting or with high pressure water jets. Remove any gravel clusters and fill the gaps with **Mapegrout Thixotropic** or **Mapegrout T60**. Blend in the areas between foundations and vertical walls by forming a fillet joint made from **Planitop Fast 330**, **Mapegrout Thixotropic** or **Mapegrout T60**.

Preparation of the primer

Dilute **Plastimul C** with water at a rate of 1 : 10 as indicated in the Technical Data Table and mix until completely blended.

Application

Apply a coat of **Plastimul C** on dry surfaces with a brush, roller or by spray.

Cleaning

With water while still wet. Mechanically or with thinners when hardened.

CONSUMPTION

Approx. 100-200 g/m², depending on the roughness and absorbency of the substrate.

PACKAGING

Plastimul C is supplied in 5 kg buckets.

STORAGE

Plastimul C may be stored for up to 12 months in a dry place at a temperature of at least +5°C.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Plastimul C is not considered dangerous according to current regulations regarding the classification of mixtures. It is recommended to use protective gloves and goggles, and to take the usual precautions for handling chemicals. For further and complete information about the safe use of our product please refer to the latest version of our Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	paste
Colour:	black
Density (g/cm ³):	approx. 1.1
pH:	10
Brookfield viscosity (mPa·s):	approx. 5,000 (No. 4 rotor - 20 rpm)
APPLICATION DATA (+23°C and 50% R.H.)	
Mixing ratio:	1 : 10 (Plastimul C : water)
Application temperature:	from +5°C to +30°C
Condition of substrate:	dry or slightly damp
Drying time (mins.):	45-60

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

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.

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

All relevant references for the product are available upon request and from www.mapei.com

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