



New Guard Coatings Group

- A global reputation to protect.

The information herewith is given with the best of New Guard Coatings Group knowledge.

Rights are reserved to change and update the data without notice.

This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

www.newguardcoatings.com

NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND

MAPETHENE PRIMER

Solvent-free bitumen primer for membranes from the Mapethene line



WHERE TO USE

Mapethene Primer is used as a primer for self-adhesive bitumen membranes from the **Mapethene** line.

ADVANTAGES

- Ready to use.
- Applied by brush, roller or spray.
- Quick drying.
- Solvent-free.

TECHNICAL CHARACTERISTICS

Mapethene Primer is a ready-to-use, solvent-free, water-based bitumen primer for use with self-adhesive bitumen membranes from the **Mapethene** line.

RECOMMENDATIONS

Do not use **Mapethene Primer** in the following cases:

- with rain;
- on substrates with condensation or liquid water on the surface.

APPLICATION PROCEDURE

Substrate preparation

Mapethene Primer may be applied on concrete, solid bricks and vibro-compressed concrete blocks. Substrates must be dry, flat, sound and clean. Remove cement laitance, loose and crumbling parts and traces of dust, grease and form-release agents with high-pressure water jets and wait until all the water has dried off. Completely remove all traces of any old waterproofing layers.

If the reinforced cement structure to be waterproofed with a membrane from the **Mapethene** line has honeycombs or other irregularities, remove them with hand or power tools or by hydro-demolishing. Carefully clean any exposed pieces of rebar, treat them with a coat of **Mapefer 1K** anti-corrosion cementitious mortar and fill all gaps and demolished areas with **Planitop Smooth & Repair R4** quick-setting, compensated-

shrinkage, thixotropic cementitious structural mortar or a suitable product from the **Mapegrout** line of mortars.

For application on the surface of bricks or blocks, on the other hand, completely remove all traces of mortar protruding from between the blocks, skim over any defects and grout any gaps in the joints with **Mapegrout 430** fine-textured fibre-reinforced thixotropic mortar or **Mapewall Render & Strengthen** high-strength, natural hydraulic lime-based rendering and masonry mortar. Then blend in all the corners between the foundations and walls and between adjacent vertical walls with the same products recommended to repair the surfaces and round off any sharp edges or corners.

Application

After preparing the substrate as specified, apply a coat of **Mapethene Primer** with a brush, roller or by airless spray.

The product is supplied ready to use, but mixing the contents of the drum before use is recommended so that it is perfectly blended.

Cleaning

Clean hands with lukewarm water and tools with water or thinners.

PACKAGING

10 kg drums.

CONSUMPTION

Approx. 0.1-0.2 kg/m². This consumption rate is for indication purposes only and may increase, depending on the roughness of the substrate.

STORAGE

Mapethene Primer may be stored for 18 months in its original packaging. Protect from freezing weather.

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.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	fluid
Colour:	black
Density (kg/m ³):	1.00
Dry solids content (%):	42
Viscosity (mPa·s):	12,000 (spindle 5 - 20 rpm)
APPLICATION DATA	
Application temperature:	+5°C to +40°C

Drying time at +23°C and 50% R.H. (mins.):	approx. 45
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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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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

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