

PRIMER BV

Adhesion promoter in water emulsion for treating substrates before applying Mapelastic BV



WHERE TO USE

Primer BV improves and evens out the bond to the substrate, and it is used before the application of the two-component, flexible, high-thickness cementitious mortar **Mapelastic BV** on concrete or brickwork substrates (vibro-compressed concrete blocks, solid bricks, airbricks, cellular concrete blocks, lightweight bricks, and pumice bricks)

TECHNICAL CHARACTERISTICS

Primer BV is an adhesion promoter in water emulsion, based on selected polymers and bitumens produced according to a formula developed in MAPEI Research & Development laboratories.

Primer BV, once diluted, can be applied by brush or spray, and it is resistant to aggressive substances normally found in the ground.

After application, **Primer BV** dries quickly and guarantees the perfect bond of **Mapelastic BV** to the substrate. **Primer BV** bonds to dry and slightly damp substrates.

RECOMMENDATIONS

- Do not dilute **Primer BV** with solvent.
- Do not mix **Primer BV** with cements or admixtures.
- Do not apply **Primer BV** 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

Preparation of the substrate

Before applying **Primer BV** on masonry, make sure the surface is perfectly clean, sound and sufficiently even. Remove carefully any residue of bedding mortar protruding from the blocks or bricks and point damaged mortar joints with **Planitop Fast 330**, fast-setting, shrinkage-compensated, fibre-reinforced, cementitious mortar or **MapegROUT Thixotropic**, shrinkage-compensated, fibre-reinforced mortar, or, if a sulphate-resistant mortar is needed, use **MapegROUT T60**.

As an alternative, it is possible to apply a sand-cement mortar, admixed with **Planicrete** rubber latex for cementitious mix.

Before applying **Primer BV** on cementitious substrates, make sure the surface is perfectly clean, and sound. Remove cement laitance, loose and crumbling parts and traces of dust, grease and form release agents with sandblasting or high-pressure water jet. Any honeycomb must be removed, and the area must be repaired with **MapegROUT Thixotropic** or **MapegROUT T60**

Create a fillet joint between foundation and the vertical walls using **Planitop Fast 330**, **Mapegrout Thixotropic**, or **Mapegrout T60**.

Preparation of the primer

Dilute **Primer BV** with water at a rate of 1:3 and mix until completely blended.

Application

Apply a coat of **Primer BV** with a brush, roller, or by spray in one or two coats, depending on the substrate conditions.

Cleaning

When still wet, with water. Once hardened, mechanically or with a thinner.

CONSUMPTION

Depending on the roughness and the absorbency of the substrate: approx 100-200 g/m².

PACKAGING

Primer BV is available in 10 kg drums.

STORAGE

Primer BV can 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

For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Consistency:	liquid
Colour:	beige
Density:	1 g/cm ³
Dry solids content:	18 %
Brookfield viscosity:	approx. 500 mPa·s (rotor 2 - rpm 1)

APPLICATION DATA (at +23°C and 50% R.H.)

Mixing ratio:	1 : 3 (Primer BV : water)
Application temperature:	from +5°C to +30°C
Condition of the substrate:	dry, slightly damp
Drying time:	15-30 min

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.

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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