



# Primer G



**Synthetic-resin-based water-dispersion primer with very low volatile organic compound (VOC)**



## WHERE TO USE

- For treating gypsum surfaces prior to fixing ceramic tiles.
- As an anchoring coat for gypsum-based sprayable plasters.
- To improve the bonding of smoothing compounds on cement, gypsum, asphalt, ceramic and marble surfaces cement based and calcium sulphate-based screeds and asphalt.
- To provide uniform absorption in cementitious or gypsum surfaces.

## Some application examples

- Preparing cement-based surfaces prior to smoothing with self-levelling or thixotropic smoothing compounds.
- Between layers of smoothing compounds once the first coat is perfectly dry.
- On gypsum plasters prior to smoothing with cementitious products.
- On anhydrite surfaces prior to applying cement based products.
- On cementitious renders prior to smoothing with gypsum based products.
- On gypsum walls as a fixative for wallpaper adhesives.

- Before installing ceramic tiles with cementitious adhesives on:

- gypsum plasters and sprayed gypsum;
- prefabricated gypsum panels;
- fibrous-gypsum panels;
- anhydrite screeds.

- Treating gypsum walls, chipboard, cement fibre boards, foamed concrete, renders etc. prior to papering or painting.

## TECHNICAL CHARACTERISTICS

**Primer G** is a water dispersion of special synthetic resins which, once applied to any surface, dry to form a flexible, compact, shiny coating which consolidates the surface, where needed. **Primer G** also improves the adhesion of smoothing compounds, paint, adhesive for wall paper, adhesive for tiles and mortar for renders. The film of **Primer G** on the surface of gypsum or cement, prevents any chemical reaction between sulphates and the cement alluminates of the tile adhesives which, in the presence of moisture, leads to the formation of the salt "ettringite" which is the cause of tiles breaking away from gypsum substrates.

**Primer G** makes wallpaper stripping far easier and decreases the amount of glue used for paperhanging.

When used before applying sprayable plasters, **Primer G** prevents over-rapid absorption of water by the substrate, prolongs finishing time and helps prevent shrinkage cracks.

When used before the application of self-levelling compounds, **Primer G** reduces the formation of air

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Use as a primer for gypsum plasters



Checking plaster humidity



Applying Primer G with a roller

## TECHNICAL DATA (typical values)

### PRODUCT IDENTITY

**Consistency:** low viscosity liquid

**Colour:** light blue

**Density (g/cm<sup>3</sup>):** 1.01

**pH:** 8

**Dry solids content (%):** 18

**EMICODE:** EC1 - very low emission

**Maximum VOC according to 2004/42/EC:** 0 g/l

### APPLICATION DATA at +23°C - 50% R.H.

**Application temperature range:** from +5°C to +35°C

**Minimum drying time:** 1-2 hours

### FINAL PERFORMANCE

**Resistance to moisture:** good

**Resistance to ageing:** excellent

**Resistance to solvents and oils:** fair

**Resistance to acids and alkali:** fair

**Flexibility:** yes

bubbles and helps prevent over-rapid drying making self-levelling easier.

**Primer G** is not inflammable and can therefore also be used in closed, unventilated environments without any precautions having to be taken.

#### RECOMMENDATIONS

- **Primer G** does not waterproof gypsum substrates even though it considerably reduces their porosity and absorption.
- Do not apply onto magnesium substrates.
- **Primer G** is not recommended for external applications or where rising damp is present.
- Do not apply **Primer G** in such a quantity that it forms a surface film; dilute with water as appropriate for the absorption of the substrate.

#### APPLICATION PROCEDURE

##### Preparing the substrate

The substrate must be clean, dry and free from oils, grease, laitance, residual paint and other loose material.

In each case, the manufacturer's recommendations for gypsum-plaster must be followed, particularly as far as moisture content and level of surface finishing are concerned.

Cracks in concrete surfaces must be repaired with **Eporip** or **Epojet**. Anhydrite surfaces must be mechanically abraded.

##### Application

###### a) As a treatment for ceramic tiles installed on gypsum.

Stir the **Primer G** just before use, spread it uniformly on the surface with a flat brush without diluting it. If the gypsum plaster surface is especially smooth and glossy, it is recommended to abrade it beforehand. Once it has dried fix the tiles.

###### b) As an anchoring coat for gypsum plasters.

Dilute **Primer G** 1:2 with water and stir well; spread the mix on the surface with a flat brush or spray pump. Apply the sprayable gypsum as soon as **Primer G** is dry.

###### c) As a primer before applying self-levelling compounds and thixotropic smoothing compounds from the MAPEI range on:

- cementitious substrates: dilute **Primer G** 1:1 or 1:3 with water (depending on the absorption of the substrate);
- ceramic, marble and non absorbent substrates: dilute **Primer G** 1:1 with water;
- gypsum based substrate: use **Primer G** neat;

###### d) As a primer for wallpaper adhesives: dilute **Primer G** 1:3 with water.

###### e) As a primer between smoothing layers: dilute **Primer G** 1:3 with water.

#### Cleaning

Tools and containers should be washed at once with clean water. Any remaining residues once dry have to be removed mechanically or with **Pulicol 2000**.

#### CONSUMPTION

The consumption of **Primer G** depends on the porosity and absorption of the surface. Normal consumption is between 0.1 and 0.2 kg/m<sup>2</sup>.

#### PACKAGING

**Primer G** is available in 25, 10 and 5 kg plastic drums and in 1 kg bottles.

#### STORAGE

**Primer G**, in its original unopened packaging, can be stored 24 months. Protect from frost.

#### SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Primer G** is not considered as dangerous according to the current regulation regarding the classification of mixtures. We recommend to wear protective gloves and goggles and to take the usual precautions for handling chemical products.

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.

#### N.B.

*Whilst we try to ensure that any advice, recommendations or information given in our literature is accurate and correct, we have no control over the circumstances in which our product is used. It is therefore important that the end users satisfy themselves that the product and conditions are suitable for the envisaged application.*

*No warranty can be given or responsibility accepted other than, that the product supplied by us will meet our written specification.*

*End users should ensure that our latest product data and safety information sheets have been consulted prior to use.*

**Please refer to the current version of the Technical Data Sheet, available from our website [www.mapei.com](http://www.mapei.com)**



This symbol is used to identify Mapei products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gesellschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.



**Our Commitment To The Environment**  
MAPEI products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.

**All relevant references for the product are available upon request and from [www.mapei.com](http://www.mapei.com)**



Example of **Primer G** applied before laying PVC and linoleum in a public gymnasium - Gdansk Orunia Indoor Gymnasium - Poland



Example of **Primer G** applied before spreading on **Ultraplano Eco** and **Rollcoll** adhesive, used to bond carpet in a hotel room - Villa Hotel Castellani - Austria

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