



Planitop 580

Lime-gypsum skimming mortar for internal render



WHERE TO USE

Smoothing traditional and pre-blended internal renders before decorating with paint and thin layers of mineral or synthetic coating materials.

Some application examples

- Smoothing lime, gypsum and cement-based internal renders which are sufficiently dry and cured.
- Finishing traditional or pre-blended renders.
- Smoothing gypsum surfaces, light weight concrete blocks or gypsum blocks.
- Compound for touching up rendered walls with small, irregular areas after the removal of old paint, wallpaper or textile wall coverings.
- Smoothing renders where wallpaper or light fabric dressings are to be applied.
- Smoothing coat applied on large-grained levelling compound.

TECHNICAL CHARACTERISTICS

Planitop 580 is a white, one-component, pre-blended, normal-setting skimming compound made up of hydrated lime, gypsum, ultra-fine marble powder, rheologic additives and powdered synthetic polymers according to a formula developed in MAPEI's own Research Laboratories.

When **Planitop 580** is mixed with water, its special composition and remarkable fineness result in a product with high bonding characteristics and which flows smoothly when spread on the surface with a smooth, metal trowel.

Planitop 580 may be applied at a thickness of up to 3 mm on well-cured renders.

Coloured finishing products from the **Silancolor**, **Colorite** or **Dursilite** ranges may be applied 4 weeks after spreading on **Planitop 580**.

RECOMMENDATIONS

- Do not use **Planitop 580** for outdoor applications.
- Do not apply **Planitop 580** on damp renders or on renders subject to capillary rising damp.
- Do not apply on de-humidifying renders (use a skimming compound from the **Mape-Antique** range or a coloured finishing compound from the **Silexcolor** or **Silancolor** ranges of products).
- Do not apply **Planitop 580** on painted surfaces.
- Do not apply **Planitop 580** if the temperature is lower than +5°C or higher than +35°C.
- Do not apply **Planitop 580** on plastic coatings materials (use **Planitop 200** or **Planitop 210**).

- On “fresh” cement-based renders, use **Planitop 510**.
- Do not add cement, lime, additives or aggregates to **Planitop 580**.
- Do not use **Planitop 580** for smoothing horizontal surfaces.

APPLICATION PROCEDURE

Preparation of the substrate

The surfaces to be treated must be clean, sound and free of humidity and dust. We recommend that the surface to be treated is well prepared by removing old paint, traces of wax and loose or irregular parts which could impede the product from bonding to the surface.

Preparation of the product

Pour 9 litres of water into a clean, suitable container. Slowly add the contents of one 15 kg bag of **Planitop 580** while stirring with a mechanical mixer. Mix well for a few minutes, making sure that no traces of powder remain stuck to the sides or to the bottom of the container.

Keep mixing until a perfectly homogenous mix is obtained (no lumps should be present). Use a low-speed mechanical mixer for this operation to avoid too much air entering the mix.

In order to allow the additives to carry out their function correctly, we recommend that the blend is left standing for approximately 3 minutes and then mixed again for a short time before it is applied. Do not prepare the mix by hand. Apply **Planitop 580** within 50 minutes of it being mixed.

Application of the product

Spread the product on the surface with a flat, metal trowel in horizontal and vertical strokes. Smooth the surface up to a maximum thickness of 3 mm, making sure that the substrate is completely covered.

To give the product a mirror finish, pass a wet, metal trowel repeatedly over the surface once it has dried.

Special care must be taken around corners and edges. We recommend adding a larger amount of the product in these areas, and then shaping them with suitable tools.

Painting or the application of coating materials and/or tapestries must only be carried out once the product is completely cured.

PRECAUTIONS TO BE TAKEN DURING AND AFTER APPLICATION

If the temperature is around +20°C, no particular precautions need to be taken.

Planitop 580 must be protected from frost and from drying too quickly. Therefore, +5°C is the minimum recommended temperature for applying the product. If the temperature is lower, the product may not set correctly.

Cleaning

We recommend cleaning all work tools with water before the product sets.

Once **Planitop 580** has set, tools may only be cleaned mechanically.

CONSUMPTION

approx. 0.80 kg/m² (per mm thickness).

PACKAGING

15 kg bags.

STORAGE

Planitop 580 may be stored for 12 months when contained in its original unopened packaging in a dry place.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Planitop 580 is irritant, and may cause serious damage if it comes into contact with the eyes.

While handling the product, protect the face and eyes and wear protective gloves. If the product comes into contact with the skin or eyes, wash immediately with plenty of water and, if necessary, seek medical attention.

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

PRODUCT FOR PROFESSIONAL USE.

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

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

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Consistency: powder

Colour: white

Bulk density (kg/m³): 1,350

Maximum diam. of aggregate (µm): < 100

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

Colour of mix: white

Mixing ratio: 100 parts of **Planitop 580** with 60 parts of water (9 litres of water per 15 kg bag of product)

Density of the mix (kg/m³): 1,260

pH of mix: > 12

Pot life: approx. 50 min.

Recommended application temperature range: from +5°C to +35°C

Maximum applicable thickness (mm): 3

Waiting time before sanding: 3-7 days (after drying)

Minimum waiting time before painting with coloured finishing products from the Silancolor, Colorite or Dursilite ranges: 28 days

FINAL PERFORMANCES

Vapour permeability (µ): 40

Bonding strength (N/mm²):
– after 28 days (23°C and 50% R.H.): > 0.5

Compressive strength (N/mm²):
– after 28 days (23°C and 50% R.H.): > 2

Flexural strength (N/mm²):
– after 28 days (23°C and 50% R.H.): > 1.4



**Planitop
580**



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