

PLANITOP MINERAL 1,5 MM

Polymer modified cement based textured render finish supplied pre-mixed in powder form, to be mixed with water



CLASSIFICATION

Planitop Mineral is classified in accordance with the EN 998-1 standard.

WHERE TO USE

- External and internal, ceilings and walls. Render only ETICS.
- Suitable substrate examples.
- Cement basecoats.
- **Planitop Fast 330.**
- **Nivoplan.**
- **Mapetherm AR1 GG.**
- Sand/cement with approved primer,
- Good for new and refurbished projects.

TECHNICAL CHARACTERISTICS

White powder pre-bagged.

Cement modified finish, with additives including accelerators for winter working. **Planitop Mineral** is available in 1.5 mm grain sizes.

After setting it will form a strong adhesion to the surface and will also have high impact resistance, thermal resistance, frost resistance, be vapour permeable with quick drying times in winter conditions.

APPLICATION PROCEDURE

TECHNICAL INFORMATION FOR THE APPLICATION

Composition of the mix:

100 kg of **Planitop Mineral 1,5 mm**
17-19 kg of water

Application temperature range:

surrounding and substrate temperature from +5°C to +25°C

Pot life:	approx. 2.5 hours (at +20°C)
Open time:	approx 20 min. (at +20°C)
Waiting time before painting with Silancolor Pittura Zero:	min. 3 days

Preparation of the substrate

New substrates or renovated surfaces must be cured, clean, sound and dry. Remove all oil, grease and any loose particles. If repairs are required use recommended primers and smoothing mortar from the MAPEI building product range. Apply **Silexcolor Basecoat** or **Silancolor Basecoat** as a primer to aid adhesion and combat any suction present in the substrate.

Allow a minimum 12 - 24 hours before applying **Planitop Mineral**. Before application ensure windows, doors and any other building elements are covered with protection.

Preparation of the product

Use a clean mixing bucket and add 4.25 litres of clean water, mix a 25 kg bag of **Planitop Mineral** with a low speed drill with mixing paddle/whisk. Mix for 3-4 minutes to obtain a good consistency. After 5 minutes re-mix as required. Open time 20 minutes. **"Instructions for the preparation of the mortar to create samples for Lab testing are contained in the TECHNICAL DATA table."**

Application Procedure

Apply with a stainless steel trowel to depth of grain. Ensure all the surface is sufficiently covered. To texture use a plastic trowel to remove any uniformity. Ensure substrate is dry. The whole elevation must be finished in one operation, use enough labour to apply in one operation. Keep a wet edge at all times.

The temperature range during application is +5°C - +25°C. During application avoid windy weather and high temperatures. Relative humidity 85% or below.

Protect finished surface for at least 48 hours or ensure the weather is suitable.

After a minimum of 3 days, apply **Silancolor Pittura Zero** (silicone). Other paints (mineral and acrylics) allow 28 days.



Mixing: Mix the plaster with 4,25 litres of clean water with a 25 kg bag of Planitop Mineral



Application: Apply with a stainless steel trowel to the thickness of the grain



Trowelling: Trowel with a PVC

CLEANING

Clean tools with water before the material dries.

CONSUMPTION

Texture finish:
1.5-3.0 kg/m².

PACKAGING

Planitop Mineral is supplied in 25 kg bags.

STORAGE

12 months. Store in a dry, covered place in original sealed packaging.

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.co.uk.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Definition according to EN 998-1:	GP
Consistency:	powder
Colour:	white

TECHNICAL INFORMATION FOR THE PREPARATION OF THE PRODUCT

Composition of mix:	100 parts by weight of Planitop Mineral 1,5 mm with 18% of water
Preparation of mix:	mixing of product according to EN 1015-2

CHARACTERISTICS OF FRESH MIX (at +20°C - 50% R.H.)

Colour of mix:	white
Consistency of mix:	paste
Density of mix:	1800 kg/m ³

FINAL PERFORMANCE

According to curing times defined in test methods

Performance characteristic	Test method	Requirements EN 998-1 GP – CS III	Product performance
Compressive strength:	EN 1015-11	CS I (from 0.4 to 2.5 MPa) CS II (from 1.5 to 5.0 MPa) CS III (from 3.5 to 7.5 MPa) CS IV (≥ 6 MPa)	Category CS III
Adhesion to the substrate:	EN 1015-12	declared value and failure mode (FP)	≥ 1.0 MPa (FP) = B
Water absorption due to capillary action:	EN 1015-18	W _C 0 not specified W _C 1 ≤ 0.40 kg/(m ² ·min ^{0.5}) W _C 2 ≤ 0.20 kg/(m ² ·min ^{0.5})	Category W _C 0
Water-vapour permeability coefficient (μ):	EN 1015-19	declared value	μ ≤ 28
Thermal conductivity (λ _{10,dry}):	EN 1745	chart value	0.67 W/m·K (P = 50%)
Reaction to fire:	EN 13501-1	Euroclass	A1

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.co.uk

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.co.uk

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

Mapei U.K. Ltd

Mapei House Steel Park Road - Halesowen, West Midlands, B62 8HD

 +44-121-5086970

 www.technical-uk@mapei.co.uk

 info@mapei.co.uk

1087-9-2024 UK

Any reproduction of texts, photos and illustrations published here is prohibited and subject to prosecution

