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:

Open time:

Waiting time before painting with Silancolor Pittura Zero:

approx. 2.5 hours (at +20°C) approx 20 min. (at +20°C)

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 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

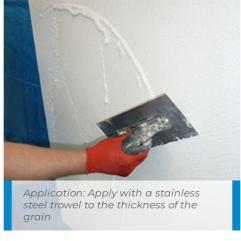
Apply with a stainless steel trowel to depth of grain. Ensure all the surface is sufficiently covered. To texture use a plastic trowel to remove any uniformity. Ensure substrate is dry. The whole elevation must be finished in one operation, use enough labour to apply in one operation. Keep a wet edge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







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	declaed 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/(m²·min ^{0.5}) W _C 2 ≤ 0.20 kg/(m²·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		0.67 W/m·K (P = 50%)		
Reaction to fire:	EN 13501-1		AI		

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

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