

PLANITOP FAST 330

Quick-setting, fibre-reinforced cementitious levelling mortar for internal and external floors and walls, applied in layers from 3 to 30 mm to even out irregularities



CO₂e FULLY OFFSET PRODUCTS

Residual Greenhouse Gas emissions measured throughout the life cycle of this product using Life Cycle Assessment (LCA) methodology, verified and certified with EPDs, have been offset for the year 2026 through the acquisition of carbon credits in support of forestry protection projects. For more details on emission calculations and offsetting projects, visit mapei.com.

WHERE TO USE

For smoothing irregular interior and exterior substrates, to quickly make them suitable for laying ceramic and stone or for waterproofing with liquid membrane or flexible cementitious systems. Thickness applied: from 3 to 30 mm.

Some application examples

- Levelling reinforced concrete surfaces in swimming pools to make them ready to receive (after just 24 hours at +20°C) **Mapelastick**, **Mapelastick Smart**, **Monolastick**, **Mapelastick Turbo**, and **Mapelastick AquaDefense** waterproofing systems or, after 4 hours at +20°C, for directly laying all types of ceramic and mosaic.
- Smoothing and levelling clean internal and external substrates made from products normally used in the building industry, such as floor slabs and screeds made using cement or special binders (such as **Topcem**, **Topcem Pronto**, **Mapecem**, **Mapecem Pronto**), and old ceramic and stone floors in order to quickly prepare them for laying (after just 4 hours at +20°C), ceramic and stone materials which are not sensitive to damp, or for applying waterproofing systems such as **Mapelastick**, **Mapelastick Smart**, **Monolastick**, **Mapegum WPS**, **Mapelastick Turbo**, **Mapelastick AquaDefense** (after just 24 hours at +20°C).
- Repairing or forming slopes on terraces and balconies.

TECHNICAL CHARACTERISTICS

Planitop Fast 330 is a grey-coloured one-component cementitious mortar made using special cementitious binders, selected aggregates, synthetic resins and special additives according to a formula developed in MAPEI's Research & Development laboratories.

When mixed with water, it forms an easily workable mixture that can also be applied on vertical surfaces by trowel, in thicknesses between 3 and 30 mm.

Planitop Fast 330 features excellent bond to all typical substrates used in construction, with fast setting and curing times, without shrinkage and without forming cracks or fissures.



It is suitable for the subsequent laying of ceramic, glass mosaic or stone material or for applying waterproofing systems.

Planitop Fast 330 has very low emissions of VOC to protect the health of both applicators and end users, and is certified EC1 Plus by the German association GEV.

Planitop Fast 330 contributes to the achievement of important LEED credits.

Planitop Fast 330 complies with the principles defined in EN 1504-9 (*"Products and systems for the protection and repair of concrete structures: definitions, requirements, quality control and evaluation of conformity. General principles for the use of products and systems"*) and the requirements of EN 1504-2 coating (C) according to principles MC and IR (*"Surface protection systems for concrete"*) and is classified as GP (*"General purpose mortar for internal/external render"*), category CS IV according to EN 998-1.

RECOMMENDATIONS

- Do not add cement or admixtures to **Planitop Fast 330**.
- Do not add more water to the mix once it has started to set in an attempt to make it workable again.
- Protect the product from too rapid evaporation in hot and/or windy days.
- After application, protect **Planitop Fast 330** from water for at least 4 hours at +20°C and 24 hours at +5°C or in any case until hardening is complete.
- Use at temperatures between +5°C and +35°C.
- Do not leave bags of **Planitop Fast 330** exposed to direct sunlight before use.
- Do not use on particularly flexible and deformable substrates, such as wood and wood conglomerates, metal surfaces, rubber, PVC, and linoleum.
- Do not use **Planitop Fast 330** if the bag is damaged.

APPLICATION PROCEDURE

TECHNICAL INFORMATION FOR THE APPLICATION

Mix composition:	100 kg of Planitop 330 18-20 kg of water
Application thickness:	from 3 to 30 mm
Recommended application temperature:	surrounding and substrate temperature from +5°C to +35°C
Pot life of mix:	approx. 20 minutes (at +20°C)
Waiting time before application of the ceramic covering:	4 hours at +20°C 24 hours at +5°C
Minimum waiting time before waterproofing:	24 hours at +20°C

Preparation of the substrate

- Remove all damaged and detached areas of concrete until a sound, strong, and rough substrate is obtained. Any previous repair work and any other coating that is not perfectly adherent must be removed using suitable equipment (mechanical breakers, hydroscarification, etc.).
- Clean concrete from previous scarifying works and clean reinforcing rods, if any, from dust, cement laitance, rust, grease, oil, paint, and other contaminants through sandblasting and high-pressure water jets.
- After preparation, the concrete surface to be repaired must be clean, rough, with irregularities at least 5 mm deep, and the aggregates exposed to allow correct adhesion of the mortar to the substrate.
- Surfaces exposed to direct sunlight or winds must be wetted beforehand.
- Particularly absorbent substrates (such as bricks, lightweight concrete blocks, etc.) must be wetted before applying **Planitop Fast 330**, especially when applied in thin layers.

- Gypsum substrates and anhydrite screeds must be perfectly dry, hard enough for the final intended use, and free of dust. They must also be treated with **Primer G** or **Eco Prim T Plus**.
- Concrete surfaces must be well cured, clean, free of dust and cement laitance, and, where necessary, treated with **Eco Prim Grip Plus**.
- Smooth substrates and substrates with low or no absorbency, such as ceramics, terrazzo or concrete with a finish of smoothing and levelling compound, must be cleaned, mechanically abraded, and treated with **Eco Prim Grip Plus**.

Preparation of the mix

Pour approximately 4.4 litres of clean water into a container and slowly add a 25 kg bag of **Planitop Fast 330** while mixing.

Accurately stir the mix for a few minutes, carefully removing all traces of dust from the sides and the bottom of the container.

Add additional water to achieve the desired consistency without exceeding the recommended amount (4.4-5.0 l).

Continue mixing for a few minutes until a lump-free, homogeneous mix with a plastic consistency is obtained.

To make it easier to obtain a homogeneous mix, it is very useful to use an immersion mixer or a spiral mixing attachment mounted on a low-speed drill to avoid air entrainment.

Planitop Fast 330 remains workable for approximately 20 minutes (at +20°C).

The product is not compatible for use with rendering machines.

The instructions for the preparation of the mortar to be used for the creation of concrete samples for laboratory tests are reported in the TECHNICAL DATA table.

Application of the mix

On walls

Apply a feather edge layer of **Planitop Fast 330** on the substrate to form a perfectly buttered layer and then immediately apply the product at the thickness required to level and even out the substrate in a single layer (up to a maximum of 3 cm).

If thick layers are required, **Planitop Fast 330** may be applied with a smooth trowel by pressing it down well onto the substrate and then levelling off with a metal straight edge (final finishing with a sponge float).

On floors

Apply the mix with a long metal trowel or a straight edge.

Laying coating materials or waterproofing layers

Waterproofing layers of **Mapelastic**, **Mapelastic Smart**, **Monolastic**, **Mapelastic Turbo**, **Mapelastic AquaDefense** and **Mapegum WPS** may be applied after approximately 24 hours at +20°C. Ceramic tiles, stone (not sensitive to moisture) and all types of mosaic may be laid after approximately 4 hours at +20°C and after 24 hours at +5°C.

PRECAUTIONS TO BE TAKEN DURING AND AFTER APPLICATION

- To prepare the mortar, use only **Planitop Fast 330** bags that have been stored on their original pallets, in a covered area.
- In hot weather, store the product in a cool area and use cold water to prepare the mix.
- In cold weather, store the product in an area protected from frost and use lukewarm water to prepare the mortar.
- After applying and floating the mortar, it is recommended to cure **Planitop Fast 330** very carefully, particularly in hot or windy weather, to prevent the mixing water from evaporating off too quickly.

- Prevent the mortar from coming into contact with water after application, in the first 4 hours if the temperature is approximately +20°C, and in the first 24 hours in the case of a temperature of +5°C.

CLEANING

Wash mortar from tools with water before it hardens.

Once hardened, cleaning is much more difficult and must be carried out only mechanically.

CONSUMPTION

Approx. 1.65 kg/m² per mm of thickness (1 cm thick: 16.5 kg/m²).

PACKAGING

25 kg bags.

STORAGE

Planitop Fast 330 can be stored for 12 months in its original packaging.

Some characteristics of the product are particularly sensitive to storage methods. Store the product in a dry, covered place at a temperature between +5°C and +35°C in its original, well-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.com.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY	
Identity according to EN 1504-2: (methods and principles)	Coating (C) – principles MC and IR
Definition according to EN 998-1:	GP
Consistency:	powder
Colour:	grey
Maximum size of aggregate:	1.0 mm
EMICODE:	EC1 Plus - very low emission

TECHNICAL INFORMATION FOR PRODUCT PREPARATION	
Mix composition:	100 parts by weight of Planitop Fast 330 with 19% of water
Preparation of mix:	mix the product in compliance with the standard EN 196-1

Curing conditions:

PCC (according to Annex A - EN 12190) for EN 1504-2

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

Colour of the mix:	grey
Consistency of mix:	plastic / trowellable
Density of the mix:	2000 kg/m ³

FINAL PERFORMANCE

According to curing times defined in test methods

Performance characteristic	Test method	Requirements according to EN 1504-2 (C) MC e IR	Requirements according to EN 998-1 GP – CS IV	Product performance
Compressive strength:	EN 12190	not required	not required	≥ 20 MPa
Bond strength to concrete by pull-off:	EN 1542	for flexible systems without traffic ≥ 1.0 MPa	not required	≥ 2.0 MPa
Impermeability expressed as coefficient of permeability to free water W :	EN 1062-3	$W < 0,1$ kg/m ² ·h ^{0.5}	not required	$W < 0.1$ kg/m ² ·h ^{0.5} Class W ₃ (low water permeability) according to EN 1062-1
Permeability to water vapour (wet-cup - method B) expressed as equivalent air thickness S_D :	EN ISO 7783	Class I $S < 5$ m Class II $5 \text{ m} \leq S \leq 50$ m Class III $S > 50$ m	not required	$S < 5$ m Class I (permeable to water vapour)
Compressive strength:	EN 1015-11	not required	CS I (0.4 to 2.5 MPa) CS II (1.5 to 5.0 MPa) CS III (3.5 to 7.5 MPa) CS IV (≥ 6 MPa)	≥ 20 (Category CS IV)
Adhesion to the substrate:	EN 1015-12	not required	declared value and failure pattern (FP)	≥ 1.5 MPa (FP) = B
Water absorption due to capillary action:	EN 1015-18	not required	$W_C 0$ not specified $W_C 1 \leq 0.40$ kg/(m ² ·min ^{0.5}) $W_C 2 \leq 0.20$ kg/(m ² ·min ^{0.5})	Category $W_C 2$
Water-vapour permeability coefficient (μ):	EN 1015-19	not required	declared value	$\mu \leq 80$
Thermal conductivity ($\lambda_{10, dry}$):	EN 1745	not required	chart value	0.67 W/m·K (P = 50%)
Reaction to fire:	EN 13501-1	Euroclass	Euroclass	A1/ A1 _{FL}

NOTES:

Sample preparation for tests according to EN 1504-2: compaction according to EN 196-1.

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.

The values declared in the TECHNICAL DATA table (typical values) were obtained in compliance with test methods and curing cycles defined in the technical standards referenced therein. Therefore, please note that the use of test procedures or methods other than those indicated in the table could lead to different values and that, in such cases, any liability of our company is excluded.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

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