

Planitop 330 Fast

Quick-Setting, Fiber-Reinforced, Cementitious Rendering Mortar



DESCRIPTION

Planitop[®] 330 Fast is a quick-setting, polymer-modified, fiber-reinforced cementitious rendering, patching and leveling mortar for interior and exterior walls, floors and submerged areas. It can be applied from 1/8" to 1-1/4" (3 mm to 3.2 cm) in thickness to ramp, smooth and level surfaces. Eliminating the need for a latex additive, *Planitop* 330 Fast requires only mixing with water to produce a non-sagging mortar that is ready for tile installation in as little as 90 minutes.

FEATURES AND BENEFITS

- For interior and exterior walls and floors
- Can be applied at 1/8" to 1-1/4" (3 mm to 3.2 cm) in thickness in a single coat
- Mix with water only.
- Smooth, creamy consistency with easy troweling application
- For smoothing and rendering irregular interior and exterior substrates such as cement backer units (CBUs)
- Fast drying allows tile installation in 90 minutes.
- Pot life of 20 to 30 minutes
- Nonsagging/nonslumping properties
- Nonshrinking formulation
- Approved for freeze/thaw environments
- Ideal for submerged applications such as pools and fountains
- Bonds directly to the substrate without the need for a slurry bond coat

WHERE TO USE

- Leveling, rendering and patching interior and exterior concrete, wall and floor surfaces from 1/8" to 1-1/4" (3 mm to 3.2 cm)
- Ramping, smoothing and leveling clean, interior and exterior concrete and screed floor substrates to prepare them for installing ceramic, stone or waterproofing systems
- For use in residential and commercial applications in dry and wet areas, including exterior facades
- Repairing or forming slopes on terraces and balconies
- Rendering ceilings, curbs and shower seats as well as stair treads, risers and stringers
- Preparing pools and fountains to receive tile

LIMITATIONS

- Install at between 45°F and 95°F (7°C and 35°C).
- Do not use on deformable substrates.
- After applying *Planitop 330 Fast*, protect the surface from water exposure for at least 4 hours at 70°F (21°C), for 24 hours at 45°F (7°C) and in all cases until it has hardened.
- Do not mix *Planitop 330 Fast* with other products and never add water to the mix once it has started to set.

SUITABLE SUBSTRATES

- Concrete (cured for at least 28 days)
- Masonry cement block, brick and cement mortar beds
- Cement backer units (CBUs). See the manufacturer's installation guidelines.
- Gypsum wallboard and plaster (primed) – interior walls in dry areas only. For priming instructions, see the "Tiling over gypsum" technical bulletin in the Tile & Stone Installation Systems section of MAPEI's Website.
- Shotcrete and pool plaster

Consult MAPEI's Technical Services Department for installation recommendations regarding substrates and conditions not listed.

SURFACE PREPARATION

- All substrates must be structurally sound, stable, dry, clean and free of any substance or condition that may reduce or prevent proper adhesion.
- For direct-bond applications, the concrete surface must be clean and porous with a minimum concrete surface profile (CSP) of #2.
- Surfaces exposed to direct sunlight or wind must be dampened with a wet sponge before application of *Planitop 330 Fast*.
- Concrete substrates should be saturated surface-dry (SSD).
- See the "Surface preparation requirements" reference guide in the Tile & Stone Installation Systems section of MAPEI's Website.

MIXING

Before product use, take appropriate safety precautions. Refer to the Safety Data Sheet for details

1. Into a clean mixing container, pour about 4 to 5 U.S. qts. (3.79 to 4.73 L) of cool, clean water.
2. Gradually add 50 lbs. (22.7 kg) of *Planitop 330 Fast* powder while slowly mixing. Mix to the desired consistency.
3. Use a low-speed mixing drill (at about 300 rpm), with an angled cross-blade mixer or spiral mixer. Mix thoroughly until the mixture becomes a smooth, homogenous, lump-free paste. The paste remains workable for approximately 20 to 30 minutes at 70°F (21°C).

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Apply a thin skimcoat/bonding layer of *Planitop 330 Fast* keyed into the substrate with a flat trowel.
2. Immediately apply a build layer of *Planitop 330 Fast* into the fresh skimcoat at the thickness required to level and even the substrate in a single layer, up to a maximum of 1-1/4" (3.2 cm).
3. If thick layers are required, *Planitop 330 Fast* may be keyed into the substrate with a flat trowel and leveled off with a metal screed bar, wood float or steel flat trowel.
4. Ceramic tiles, stone and all types of mosaic may be set after 90 minutes to 4 hours, depending upon application thickness and jobsite environment conditions. Liquid waterproofing membranes may be applied after 2 to 3 hours.

EXPANSION AND CONTROL JOINTS

- Provide for expansion and control joints as specified per TCNA Method EJ171, or TTMAC Specification Guide 09 30 00, Detail 301 MJ.
- Do not cover expansion joints with mortar.

CLEANUP

Use water only to clean tools and tile while the mortar is fresh.

PROTECTION

- Provide for dry, heated storage on site and deliver materials at least 24 hours before work begins.
- Protect from rain, snow, freezing and direct sunlight, which may affect curing and performance properties.
- Maintain a temperature between 45°F and 95°F (7°C and 35°C) for at least 4 hours after the installation.
- Note that cool, damp and humid conditions will slow the rate of hydration and will cause *Planitop 330 Fast* to retain a higher moisture content for a longer period of time.
- Protect the installation from foot traffic for 2 to 3 hours.
- Protect the installation from water immersion for 7 days.

Product Performance Properties

at 73°F (23°C) and 50% relative humidity

Laboratory Tests	Results
Application temperature range	45°F to 95°F (7°C to 35°C)
Compressive strength – ASTM C109 (CAN/CSA-A5)	
24 hours	> 2,100 psi (14.5 MPa)
7 days	> 2,900 psi (20 MPa)
28 days	> 3,600 psi (24.8 MPa)
VOC content	0 g per L

Shelf Life and Application Properties

Shelf life	1 year when stored in original, unopened packaging at 73°F (23°C)
Pot life at 73°F (23°C)*	20 to 30 minutes
Color	Gray
Cleanability	With water while fresh

* Pot life varies based on jobsite conditions.

Packaging

Size
Bag: 50 lbs. (22.7 kg)

Approximate Coverage**

per 50 lbs. (22.7 kg)

Thickness	Coverage
1/8" (3 mm)	40 to 48 sq. ft. (3.72 to 4.46 m ²)
1/2" (12 mm)	10 to 12 sq. ft. (0.93 to 1.11 m ²)
1" (2.5 cm)	5 to 6 sq. ft. (0.46 to 0.56 m ²)

** Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions and setting practices.

ADDITIONAL INFORMATION

Refer to the Safety Data Sheet (SDS) for specific data related to health and safety as well as product handling.

For information on MAPEI's commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact sustainability-durabilite@mapei.com.

WARNING

The test results shown in the TECHNICAL DATA table were obtained in compliance with test methods and curing cycles, if applicable, defined in the industry standards referenced on the Technical Data Sheet. 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.

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 nor replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at www.mapei.com. **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

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For the most current product data and BEST-BACKEDSM warranty information, visit www.mapei.com.

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