



ECO Prim GripTM

Multipurpose Bond-Promoting Primer



DESCRIPTION

ECO Prim Grip is a ready-to-use, low-VOC, synthetic resin-based primer with bond-promoting silica aggregates suspended in a dispersion. It enhances the performance and adhesion of mortars to existing ceramics and difficult-to-bond substrates, plus it improves bonding of self-leveling underlayments (SLUs) and bonds of render coats over cementitious substrates. Suitable for a wide variety of substrates, *ECO Prim Grip* combines excellent versatility with an easy, low-odor application.

FEATURES AND BENEFITS

- Ready-to-use gray latex, which is easy to apply with a roller or brush
- One-component, versatile primer for a wide variety of substrate conditions
- Single-coat application for faster turnaround and lower installation costs
- Low-odor and VOC compliance – great for use in interior, occupied environments
- Provides a rough keying surface ideal for polymer-modified mortars, render coats and leveling compounds, ensuring excellent bonding on smooth or low-absorptive substrates
- Easy handling and application properties
- Ideal primer for use with MAPEI's SLUs
- Provides excellent bond strength with resistance to moisture and aging
- No shotblasting or abrasion is required, thus eliminating the resulting dust.

INDUSTRY STANDARDS AND APPROVALS

LEED Points Contribution

LEED Points

MR Credit 5, Regional Materials* Up to 2 points
IEQ Credit 4.2, Low-Emitting
Materials – Paints & Coatings.....1 point

* Using this product may help contribute to LEED certification of projects in the categories shown above. Points are awarded based on contributions of all project materials.

WHERE TO USE

- Interior and exterior applications
- Use over properly prepared ceramic tile, vinyl composition tile (VCT), natural stone or exterior-grade plywood substrate before applying polymer-modified mortars or SLUs.
- Use over substrates that have a residue of well-bonded old cutback adhesive, floor-covering adhesive or polyurethane adhesive.
- Also, use to improve the bond of self-leveling underlayment on nonabsorbent surfaces such as ceramic tile, terrazzo and natural-stone floors for interior applications.
- Use before application of self-leveling underlayment over properly prepared sound and stable concrete substrates, whether they are smooth and nonabsorbent or profiled and absorbent.
- Suitable for improving the bond of all types of cement render coats on concrete, brickwork and concrete block substrates

LIMITATIONS

- Substrate and ambient temperatures must be between 50°F and 95°F (10°C and 35°C).
- Test the concrete substrate using a calcium chloride test (ASTM F1869) to ensure moisture vapor emission rate (MVER) is below 5 lbs. per 1,000 sq. ft. (2,27 kg per 92,9 m²) per 24 hours.
- Verify that the substrate is free of bond-inhibiting or bond-breaking materials, such as curing compounds and dust.
- For use in dry, interior residential and commercial as well as exterior residential environments. Do not apply on wet substrates.
- Use undiluted over moisture-stable, exterior-grade plywood.
- Use undiluted over dense, nonabsorbent surfaces, such as floor-covering adhesive residue, and properly prepared ceramic tile and VCT.
- Do not install over any substrates containing asbestos.
- The surface temperature of the prepared concrete slab must be at least 5°F (2.5°C) above the dew point to avoid condensation on the concrete surface as the *ECO Prim Grip* dries.
- Protect from freezing.

SUITABLE SUBSTRATES

- Use before the application of polymer-modified mortars or self-leveling underlayments over properly prepared sound, stable and nonabsorbent substrates including ceramic tile, natural-stone floors, cement terrazzo, VCT, well-bonded old cutback adhesive, floor-covering adhesive and polyurethane adhesive residue, plywood subfloors, smooth nonabsorbent concrete, absorbent concrete and gypsum substrates.
- Use before the application of render coats over concrete, brickwork and concrete block substrates.

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

SURFACE PREPARATION

- All substrates must be structurally sound, clean, dry, well-cured, solid, stable and free from oil, grease and cement laitance.
- Thoroughly clean all surfaces of any substance that could interfere with the bond of the installation material, including paint, asphalt, wax, oil, sealers, curing compounds, and poorly bonded or incompatible adhesive.
- Repair cracks in substrate before proceeding.
- Expansion and movement joints must be honored through the finished flooring system.
- Do not acid-etch surfaces before applying *ECO Prim Grip*.

- Refer to MAPEI's Surface Preparation Requirements document for tile and stone installation systems at www.mapei.com.

MIXING

Note: Choose all appropriate safety equipment before use. Refer to Material Safety Data Sheet (MSDS) for more information.

- Before use, slightly stir to ensure settling has not occurred during shipment or storage.
- *ECO Prim Grip* is ready to use; no dilution is required.

PRODUCT APPLICATION

1. Apply product with a 3/8" (10 mm) nap roller or brush. Ensure surface receives a complete, thin film of product.
2. Polymer-modified mortar, render coat or self-leveling underlayment may be applied once *ECO Prim Grip* is dry. The minimum waiting time is from 15 to 60 minutes, depending upon the surrounding conditions and substrate porosity.
3. If complete coverage hasn't been achieved or the original surface is visually showing through, a second coat can be applied after a longer period of time, typically after 2 to 3 hours.
4. Self-leveling underlayment may typically be applied within 2 to 5 hours after the *ECO Prim Grip* has been applied. Drying times will vary depending on porosity of surface, temperature and humidity. The maximum wait time until installation of the SLU is 24 hours. Contact MAPEI's Technical Services Department for recommendations concerning self-leveling underlayment.
5. If *ECO Prim Grip* dries for more than 24 hours before application of the SLU, re-apply a second, undiluted coat and install the SLU within the correct application window.

CLEANUP

Clean equipment immediately. While *ECO Prim Grip* is still fresh, it can be removed easily from floors, walls and tools with water. Mineral spirits can be used to remove primer that has dried on tools.

Installing Tile or Natural Stone

For tile and stone installations, use a MAPEI polymer-modified mortar meeting ISO 13007 C2P1 and ANSI A118.4 and ANSI A118.11 standards, or an epoxy mortar meeting ISO 13007 R1 or R2 and ANSI A118.3 standards.

Product Performance Properties

Laboratory Tests	Results
Polymer type	Acrylic
VOCs	21 g per L
pH	8 to 9
Viscosity	2,000 to 3,000 cps
Density	93.6 lbs. per cu. ft. (1,5 g per cm ³)
Consistency	Pourable liquid
Color	Gray
Application temperature range	50°F to 95°F (10°C to 35°C)

Shelf Life and Application Properties

Shelf life	2 years in original container. Protect from freezing during transport and storage
Flash point (Seta)	> 212°F (100°C)
Window for application of SLU at 73°F (23°C)	2 to 3 hours of drying time up to 24 hours from application over porous substrate (concrete and wood); 2 to 5 hours of drying time up to 24 hours from application over nonporous substrate (ceramic, VCT)

Packaging

Product Code	Size
36153000	Pail: 1 U.S. gal. (3,79 L) (4 pails per case)
36163000	Pail: 3.5 U.S. gals. (13,2 L)

Approximate Coverage*

Size	Coverage
Per 1 U.S. gal. (3,79 L)	150 to 300 sq. ft. (13,9 to 27,9 m ²)
Per 3.5 U.S. gals. (13,2 L)	525 to 1,050 sq. ft. (48,8 to 97,5 m ²)

* Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions, concrete profile and porosity, type of equipment used, thickness applied, handling and application procedures..

**ECO
Prim Grip™**



RELATED DOCUMENTS

Reference Guide: Surface
Preparation Requirements for tile
and stone installation systems

RGTO309*

* At www.mapei.com.

Refer to MAPEI's MSDS for specific data related to VOCs, health and safety, and handling of product.

STATEMENT OF RESPONSIBILITY

Before using, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith. **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.**

We proudly support the following industry organizations:



MAPEI Headquarters of the Americas
1144 East Newport Center Drive
Deerfield Beach, Florida 33442
Phone: 1-888-US-MAPEI
(1-888-876-2734)

Technical Services
1-800-992-6273 (U.S. and Puerto Rico)
1-800-361-9309 (Canada)

Customer Service
1-800-42-MAPEI (1-800-426-2734)

Services in Mexico
0-1-800-MX-MAPEI (0-1-800-696-2734)

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