



Premium Mortar



DESCRIPTION

Premium Mortar is a premixed no-mess alternative to traditional thin-set mortars that require water and mixing. It is nonflammable and ready to use.

INDUSTRY STANDARDS AND APPROVALS

LEED Points Contribution.....	LEED Points
MR Credit 5, Regional Materials*.....	Up to 2 points
IEQ Credit 4.1, Low-Emitting Materials	
– Adhesives & Sealants.....	1 point
IEQ Credit 4.3, Low-Emitting Materials	
– Flooring Systems.....	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

Premium Mortar is specifically formulated for interior-only installations of most ceramic, quarry, porcelain and most types of marble and natural-stone tile in light-duty residential applications, such as walls, countertops and floors.

SUITABLE SUBSTRATES

(interior residential only)

- Fully cured concrete (at least 28 days)
- Masonry block
- Cement backer units (see manufacturer's recommendations)
- Gypsum wallboard (properly primed)
- Exterior-grade plywood, in dry areas only; 2 layers (1-1/4" [3,2 cm] minimum thickness) for floors; 1 layer (3/4" [19 mm]) for countertops

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

LIMITATIONS

- Do not apply over waterproofing membranes; radiant- or thermal-heated subfloor systems; gypsum-based patching or leveling compounds; sheet vinyl; vinyl asbestos tile (VAT); vinyl composition tile (VCT); existing ceramic, porcelain or natural stone; self-stick tile; laminate surfaces; fiberglass surfaces; poured epoxy floors; hardwood flooring; presswood; particleboard; chipboard; oriented strand board (OSB); Masonite; Lauan; gypsum floor-patching compounds; metal; or similar dimensionally unstable substrates.
- Recommended for interior use only
- *Premium Mortar* can be used in intermittent wet conditions such as backsplashes, countertops, shower walls and floors.
- Do not use in submerged applications.
- Do not use to install granite.
- Do not use to install moisture-sensitive stone such as green marble.
- Do not use as a mortar underneath cement backer boards.
- Use only at temperatures between 50°F and 95°F (10°C and 35°C).
- This product is only for setting, not grouting.
- Drying times will vary depending on the tile size, tile/substrate porosity and humidity.
- This product should not be used with tiles larger than 20" x 20" (51 x 51 cm).
- Do not use *Premium Mortar* to build up or level the substrate. Instead, use a cement-based patching or leveling compound.

SURFACE PREPARATION

See MAPEI's "Surface Preparation Requirements" document at www.mapei.com.

MIXING

Premium Mortar is ready to use. No mixing is required.






Shelf Life and Application Properties

Shelf life	1 year
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Packaging

Product Code	Size
13853	1 U.S. gal. (3,79 L)
13863	3.5 U.S. gals. (13,2 L)
14853	1 U.S. gal. (3,79 L)
14863	3.5 U.S. gals. (13,2 L)

Approximate Product Coverage* per 1 U.S. gal. (3,79 L)

Typical Trowel	Coverage
Typically for flat-back tile up to 4" x 4" (10 x 10 cm)  3/16" x 3/16" (4,5 x 4,5 mm)	32 to 36 sq. ft. (2,97 to 3,34 m ²)
Typically for tile 4" x 4" (10 x 10 cm) up to 8" x 8" (20 x 20 cm)  1/4" x 1/4" x 1/4" (6 x 6 x 6 mm)	20 to 24 sq. ft. (1,86 to 2,23 m ²)
Typically for tile 8" x 8" (20 x 20 cm) up to 12" x 12" (30 x 30 cm)  1/4" x 3/8" x 1/4" (6 x 10 x 6 mm)	15 to 17 sq. ft. (1,39 to 1,58 m ²)

* Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions, type of equipment and application methods used.

PRODUCT APPLICATION

- Use a typical notched trowel with sufficient depth to achieve at least 90% transfer to the back of the tile. To help ensure proper coverage, "back-butter" the tile by using the straight edge of a notched trowel or a margin trowel to spread a thin coat of the adhesive onto the back of the tile.

- Key mortar into the substrate with the trowel's flat side to allow sufficient contact with the substrate pores. Trowel the mortar in one direction; do not trowel *Premium Mortar* with a "swirl" pattern or technique.
- Do not spread more adhesive than can be covered before the adhesive begins to skin over (about 20 to 30 minutes). To test for skinning, simply place your finger into the ridges of the applied adhesive; if no adhesive transfers to the finger, skinning has occurred. Scrape off and replace with fresh adhesive.
- Place tile firmly into the wet adhesive with a slight push/pull motion across the ridges, completely shearing the mortar ridges to give positive transfer to the tile.

GROUTING TIPS

Let the mortar dry completely before grouting. Note: Low absorption rates of the tile and substrate, as well as a lower substrate temperature, will directly affect and slow down the drying time for all adhesives.

Walls

Grouting may be done the day following installation.

Floors

Grouting may generally be done after 24 to 48 hours, depending on the tiles used. Larger tiles such as 12" x 12" (30 x 30 cm) will generally take longer to reach a firm set than smaller tiles such as 6" x 6" (15 x 15 cm).

CLEANUP

Clean hands, surfaces and tools with fresh water while the product is wet. If it has dried, use mineral spirits.

PROTECTION

- Protect containers from freezing in transit and storage.
- Protect floors from foot traffic for at least 24 to 48 hours after grouting.
- Walls should be protected from impact, vibrations and heavy hammering on adjacent and opposite walls for at least 14 days after installation.
- Protect from heavy traffic for 7 days.

Refer to the Safety Data Sheet 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:



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Edition Date: October 04, 2013

PR: 5605 MKT: 6935

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

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