



**MAPEI®**

# Adhesive & Grout

**Convenient for Repairs**



## DESCRIPTION

*Adhesive & Grout* can be used to both set and grout ceramic tile. It is a no-mess alternative to traditional thin-set mortars and grouts that require water and mixing. Available as sanded and unsanded, *Adhesive & Grout* is nonflammable, comes ready-mixed and has excellent sag-resistant properties.

- 2 products in 1
- For most ceramic, quarry and porcelain tile up to 8" x 8" (20 x 20 cm)
- For interior light-duty floors, walls and countertops

## INDUSTRY STANDARDS AND APPROVALS

<u>LEED Points Contribution</u>	<u>LEED Points</u>
MR Credit 4, Recycled Content* .....	Up to 2 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

*Adhesive & Grout* is specifically formulated for interior-only installations of most ceramic, quarry and porcelain tile in light-duty residential applications, such as walls, countertops and floors.

## SUITABLE SUBSTRATES (for use as a mortar)

- Fully cured concrete (at least 28 days)
- Masonry block
- Mortars and leveling coats
- Cement backer units (CBUs)
- Gypsum wallboard
- 2 layers (1-1/4" [3,2 cm] minimum thickness) APA or COFI Group 1 exterior-grade plywood CC or better quality

## 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; Luan; gypsum floor-patching compounds; metal; or similar dimensionally unstable substrates.
- *Adhesive & Grout* is recommended for interior use only. *Adhesive & Grout* is not recommended for shower floors, underwater areas or intermittent wet conditions such as shower walls; rather, use MAPEI's *Premium Mortar*.
- When using this mix as a grout, some porous and abrasive tiles may require pre-sealing before application to protect the tile from grout residue penetrating the tile surface.
- Ambient temperature should be between 60°F to 90°F (16°C to 32°C).



- Drying times may vary. Depending on the tile temperature, jobsite humidity and tile/substrate porosity, drying time for mortar use can take up to 5 days before grouting.
- This product should not be used with tiles larger than 8" x 8" (20 x 20 cm).
- Do not use to set natural stone.
- Protect containers from freezing in transit and storage.
- When used as a grout, do not seal.

## SURFACE PREPARATION

### For use as a mortar

- The surface must be structurally sound, solid, well-fastened, dry, clean, and free of dust, grease, oil, tar, paint, wax sealer, form release agent, primer, old adhesives, and all other substances that may reduce or prevent adhesion.
- Painted surfaces must be completely sanded and scarified. The substrate should be solid and achieve a deflection rating no greater than L/360.

### For use as a grout

- Before grouting, make sure all tiles are firmly set and the adhesive/mortar is completely dry.
- Remove all spacers, pegs, ropes and strings.
- Grout joints must be clean and free of standing water, dust, dirt and foreign matter.
- Remove excess adhesive/mortar from the joint area so that 2/3 of the tile depth is left available for grouting.
- Clean the tile surface thoroughly to remove dust, dirt or other contaminants that can cause grout discoloration.
- Let the mortar dry completely before grouting. For walls, grouting may be done the day following installation. For floors, grouting may generally be done after 24 to 48 hours, depending on the tiles used. Note: Low absorption rates of the tile and substrate, as well as low substrate temperatures, will directly affect and slow down the drying time for all adhesives.

## MIXING

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

- Ready to use; no mixing is required.

## PRODUCT APPLICATION

### For use as a mortar

1. 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, use 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.

2. Key the mortar into the substrate with the trowel's flat side to allow sufficient contact into the substrate pores. Trowel the mortar in one direction; do not trowel this product with a "swirl" pattern.
3. Spread only as much mortar as can be covered within 20 to 30 minutes. If any mortar has "skinned" over, it should be scraped up and replaced with fresh product.
4. Place each tile firmly into position over the wet mortar, moving it laterally and adjacent to the ridges. Doing so will completely shear the mortar ridges and give positive transfer to the tile.

### For use as a grout

1. Using consistent application procedures will produce consistent results.
2. To aid in spreading the grout, slightly moisten the tile surface with a damp sponge just before application.
3. Force the grout into the joints with a rigid rubber float.
4. Make sure all joints are well-compacted as well as free of voids and gaps.
5. Remove excess grout from the tile surface, moving the float diagonally to the joints while the grout is still fresh.
6. The grout surface should be flush with the tile edge.
7. Allow the grout to firm up sufficiently in the joints to avoid damaging the grout surface. This usually takes 15 to 30 minutes, depending upon the temperature, humidity and tile absorption rate.
8. Use two buckets of cleaning water: one for rinsing most of the grout residue from the cellulose cleaning sponge, and one for moistening the cellulose sponge in clean water.
9. Remove the grout residue with a damp, firm cellulose sponge, applying no pressure and always working in a motion diagonal to the tile joints.
10. Change the clean water bucket frequently to prevent the development of a haze on the tile surface.

## CLEANUP

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

## Shelf Life and Application Properties



Shelf life	2 years
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## Packaging

Product Code	Size
1320091	1 U.S. qt. (946 mL)

## Approximate Product Coverage\* per 1 U.S. qt. (946 mL)

### • For use as a mortar

Typical Trowel	Coverage
3/16" x 3/16" (4,5 x 4,5 mm) 	8 to 9 sq. ft. (0,74 to 0,84 m²)
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) 	5 to 6 sq. ft. (0,46 to 0,56 m²)

### • For use as a grout

Coverage for 1 U.S. gal. (3,79 L)			
Tile Size	Grout Joint Width		
	1/16" (1,5 mm)	1/8" (3 mm)	1/4" (6 mm)
4-1/4" x 4-1/4" x 1/4" (11 cm x 11 cm x 6 mm)	50 to 55 sq. ft. (4,65 to 5,11 m²)	24 to 27 sq. ft. (2,23 to 2,51 m²)	12 to 14 sq. ft. (1,11 to 1,30 m²)
6" x 6" x 3/16" (15 cm x 15 cm x 4,5 mm)	67 to 75 sq. ft. (6,22 to 6,97 m²)	34 to 38 sq. ft. (3,16 to 3,53 m²)	17 to 19 sq. ft. (1,58 to 1,77 m²)

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

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& Grout**

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Refer to the 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:



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For the most current BEST-BACKED™ product data and warranty information, visit [www.mapei.com](http://www.mapei.com).

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