

No Slump, No Shrink

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More Information ▶

TEC® PermaFlex® 300 LHT Mortar



Installing large and heavy tile may cause mortar coverage and bonding challenges. PermaFlex® 300 LHT is a dependable mortar for installing large and heavy floor tile. Ideal for interior and exterior use, it has good workability, and can be used for bedding thicknesses of $\frac{3}{32}$ " - $\frac{3}{4}$ " so large tiles stay in place with the proper coverage needed.

Rely on PermaFlex® 300 LHT for your next large and heavy tile floor installation.





PermaFlex® 300 LHT Mortar

TEC® PermaFlex® 300 LHT Mortar is a one-component, Portland cement based tile mortar designed to set large format tile firmly in place, without slumping, for interior and exterior floor applications over concrete, where the embedded thickness is between $\frac{3}{32}$ " - $\frac{3}{4}$ " (2.4 mm-19 mm). It offers good workability, helps overcome irregularities in tile thickness and may be used for the installation of porcelain tile, ceramic tile, quarry tile, cement tile, pavers, high bottom lugged tile, non-moisture sensitive natural stone* and is ideal for light-colored glass tile. For details about TEC® product or system warranties, contact your sales associate or visit tecspecialty.com.

* All natural stone should be tested to be sure discoloration does not occur.



Can be used for bedding thicknesses of $\frac{3}{32}$ " - $\frac{3}{4}$ " (2.4 mm - 19 mm)



Helps overcome irregularities in tile thickness

Additional Features and Benefits

- Polymer-modified, just add water
- ANSI A118.4 and ISO 13007 C2
- Good workability
- Interior or exterior concrete floor applications only
- Contributes to LEED® project points
- Zero VOC

Suitable Substrates

When properly prepared, suitable substrates include:

- Properly cured and finished concrete
- Cured Portland cement mortar
- Cement backer unit (CBU)
- APA Grade Trademarked Exposure 1 Plywood [Underlayment grade or better, two layers, $1\frac{1}{8}$ " (28 mm) total minimum thickness, interior floors only]. Requires use with TEC® Acrylbond® AMA acrylic latex additive.
- Vinyl composition tile, asphalt tile, linoleum or non-cushioned vinyl sheet goods provided such surfaces are single layered, well-bonded to an approved substrate and properly prepared. Requires use with TEC® Acrylbond® AMA acrylic latex additive.
- Adhesive residue (except tacky or pressure-sensitive adhesive). Requires use with TEC® Acrylbond® AMA acrylic latex additive.

Packaging

50 lb. (22.68 kg) moisture-resistant bags

Gray (044)

White (045)

Product #7160764813

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Coverage

Coverage will vary with condition of substrate. Required trowel size will vary with the tile size, type and substrate uniformity. Select the trowel size that will ensure 100% coverage. Figures below are presented only as guidelines.

Trowel Size	Approximate Coverage per 50 lbs. (22.68 kg)
$\frac{1}{2}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " (12 x 12 x 12 mm) square-notch trowel	45-50 sq. ft. (4.2-4.6 m ²)
$\frac{3}{4}$ " (19 mm) rounded-notch trowel	25-30 sq. ft. (2.3-2.8 m ²)

Technical Data

Physical Properties

Description	
Physical State	Dry powder
Color	Available in white and gray
Pot Life	2 to 3 hours
Initial Cure [at 72°F (22°C)]	16 to 24 hours
Final Cure	21 days
Foot Traffic Rating (ASTM C627)	Residential to Extra Heavy Commercial (depending on substrate)
Storage	Store in cool, dry location away from moisture and direct sunlight. Do not store open containers.
Shelf Life	Maximum 1 year from date of manufacture in properly stored, unopened package.



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