



Tile-Mate®

Premium Thin Set Mortar

For Interior and Exterior Installations

Use on Vertical and Horizontal Surfaces

Exceeds ANSI A118.1

Exceeds ANSI A118.4 and A118.11 when mixed with Bostik® 425 Multi-Purpose Acrylic Admixture

Excellent for Ceramic, Porcelain, Granite, Slate, Marble, Limestone and Dimension Stone Tiles

Extremely Durable

Description

Bostik Tile-Mate® Premium Thin Set Mortar is composed of select, proprietary chemicals, carefully graded aggregates and Portland cement. Bostik Tile-Mate® Premium Thin Set Mortar is pre-blended and ready to use. It provides superior bond strengths, excellent durability and outstanding workability. Bostik Tile-Mate® Premium Thin Set Mortar is for interior or exterior applications to set all types of ceramic, porcelain, granite, slate, marble, limestone, and dimension stone tiles. Use over properly prepared concrete; structurally sound, exterior grade plywood (interior/dry use only); cementitious backer board; Bostik Ultra-Set® Advanced; and existing, well-bonded vinyl/VCT or ceramic tile.

Directions For Use

Read and understand Datasheet completely before beginning installation. Follow applicable ANSI, NTCA, and TCNA installation standards.

Surface Preparation

Surface must be clean, dry and smooth; free of voids, projections, loose materials, oil, grease, sealers, curing compounds, waxes and all other surface contaminants that may inhibit proper bond.

Mixing

Mix 5 to 6 quarts of cool, clean potable water, 5 to 6 quarts of Bostik® 425™ Multi-Purpose Acrylic Latex Admixture or 6 to 7 quarts of Bostik® 447™ Flex-A-Lastic Admixture to 50 lbs. of Bostik Tile-Mate® Premium Thin Set Mortar. Mix to a creamy consistency. Use a slow speed mixer (<150 rpm). Allow mixture to stand 15 minutes and re-mix. Do not re-temper by adding more liquid.

Application

Apply a thin coat of Bostik Tile-Mate® Premium Thin Set Mortar with the flat edge of the trowel to achieve a good mechanical bond to the substrate. Comb mortar with the appropriate size notched trowel. If any evidence of skinning or setting occurs, re-comb with notched trowel. Apply mortar to an area no greater than can be covered with tiles in 20 to 30 minutes. Apply tile using a twisting motion into a fresh bed of mortar to ensure proper transfer (interior applications—minimum 80% coverage; exterior, wet, or plywood applications; 95% coverage). A finished mortar bed thickness of 3/32" to 1/8" is required.

Application Over Plywood: Bostik 425 Multi-Purpose Acrylic Latex Admixture or 447 Flex-A-Lastic Admixture required. Maximum joint spacing shall be 16" on center. Plywood shall be Underlayment Exterior Grade or C-C Plugged Exterior Grade plywood (or better). If the existing floor is less than 1" thick, glue and nail 15/32" or 1/2" APA Underlayment Exterior Grade or C-C Plugged Exterior Grade plywood to the floor.



BLOCKADE™
Antimicrobial
Protection

Bostik
Green Products
Initiative

Glue and nail using 5D or 6D (1 1/2" or 2") cement coated screw shank nails 6" on center along the panel edges and a maximum of 8" on center each way throughout the panel. Allow 1/8" gap between underlayment sheet edges and all areas that abut walls, drains, posts, etc., these areas shall be filled with mortar when tiles are installed. Clean and rough sand the plywood. Due to the limitations of plywood as a substrate, Bostik Tile-Mate Premium Thin Set Mortar is not intended for use on plywood in exterior, wet interior, or applications subject to heavy/commercial traffic.

Application Over Existing Vinyl/VCT Flooring & Cutback: (Bostik 425 Multi-Purpose Acrylic Latex Admixture or Bostik 447 Flex-A-Lastic Admixture required.) Vinyl must be clean and well-bonded to substrate. Do not install over cushion-backed or perimeter bonded sheet vinyl. Remove any loose pieces of vinyl, VCT flooring, or cutback adhesive residue (dry areas only). Ensure the exposed substrate is suitable for application.

Application Over Existing Ceramic Tile: (Bostik 425 Multi-Purpose Acrylic Latex Admixture or Bostik 447 Flex-A-Lastic Admixture required.) Tile must be clean and well-bonded to substrate. Mechanical abrasion with Carborundum disk, followed by a clear water wash is recommended. Installation must be thoroughly rinsed and dry before setting the new tile.

Curing

Keep all foot traffic off the installation until tile is firmly set (approximately 12 hours). Set times are dependent upon temperature and humidity.

Clean Up

Clean all tools with soap and water. Do not allow material to dry on surface of tile.

Grouting

Depending on ambient, slab, and material temperatures, grouting can generally begin after 12 hours with any quality Bostik grouting system. Allow 48 hours before grouting with Bostik EzPoxy or any 100% solids epoxy grout.

Limitations

- Do not use to install moisture sensitive stones (i.e green marble).
- Do not use in installations where deflection exceeds L/240 (1" in 20 ft) when mixed with Bostik 447 Flex-A-Lastic Admixture, or L/360 when mixed with Bostik 425 Multi-Purpose Acrylic Latex Admixture.
- Natural stone such as marble, limestone and travertine maynot tolerate deflection in excess of L/720. Refer to the Marble Institute of America Design Manual for details on specific types of stone.
- Do not apply over oriented strand board, particle board, masonite, luaun, or similar unstable substrates.
- Do not use where hydrostatic pressure can occur.
- For marble and limestone, please refer to the Marble Institute of America's deflection recommendations.
- Application over cutback adhesive residue is limited to well bonded, dry areas only.
- Bostik Tile-Mate® Premium Thin Set Mortar must be mixed with Bostik 425 Multi-Purpose Acrylic Latex Admixture or Bostik 447 Flex-A-Lastic Admixture for exterior applications subject to freeze thaw, applications over plywood or when installing porcelain tiles.

Storage/Shelf Life

Store in a clean, dry area not affected by freezing or hot temperatures. Shelf life is one year from date of manufacturing.

Packaging

50 lb. bags, in gray or white formulations.

DANGER: Corrosive when wet. Eye, skin and respiratory tract irritant. Suspect cancer hazard – contains material which may cause cancer. Risk of cancer depends on duration and level of exposure.

PRECAUTIONS: Avoid breathing dust. Avoid contact with eyes and skin. Keep container closed. Use only with adequate ventilation. Wear protective clothing during handling. Wash thoroughly after handling.

FIRST AID: If inhaled, remove to fresh air. In case of contact, immediately flush eyes with water for at least 15 minutes and wash skin with soap and water. Call a physician if irritation persists.

SEE MATERIAL SAFETY DATA SHEET. KEEP OUT OF THE REACH OF CHILDREN.

Limited Warranty

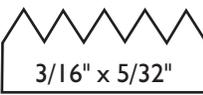
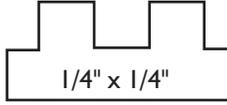
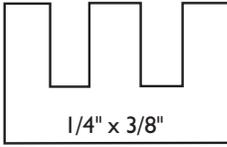
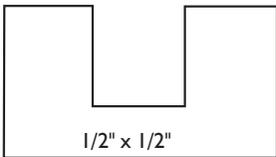
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Bostik, Inc.
11320 W. Watertown Plank Road
Wauwatosa, WI 53226
1-800-726-7845
www.bostik-us.com



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Recommended Trowels For Maximum Performance

<p>Ceramic Mosaics Mounted Ceramics Coverage 85-100 ft²</p>	<p>4" x 4" and 4" x 8" Ceramic & Pavers Coverage 70-80 ft²</p>	<p>6" x 6" and 8" x 8" Quarry Tile 12" x 12" Ceramic Tile Coverage 50-60 ft²</p>	<p>8" x 8" and 12" x 12" Lugged back & Mexican Paver Tile Coverage 30-35 ft²</p>
 <p>3/16" x 5/32"</p>	 <p>1/4" x 1/4"</p>	 <p>1/4" x 3/8"</p>	 <p>1/2" x 1/2"</p>

Trowel size is suggested to maximize mortar transfer/coverage. Periodically check coverage during installation. Uneven substrate may require the use of either a leveling/patching material, or larger notched trowel for proper mortar coverage.

