



# Tile-Mate®

FLOOR & WALL THIN SET MORTAR

## KEY FEATURES

- For interior and exterior use on vertical and horizontal surfaces
- Exceeds ANSI A118.1 when mixed with water
- Exceeds ANSI A118.4 and A118.11 when mixed with Bostik 425™ Multi-Purpose Acrylic Admixture

## DESCRIPTION

Bostik Tile-Mate® Floor & Wall Thin Set Mortar is for interior or exterior installations 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, Bostik Black-Top™ and Bostik GoldPlus™; 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. Refer to [www.bostik-us.com](http://www.bostik-us.com) for the most recent product information and material safety data sheet prior to installation.

## 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. Note: It is the user's responsibility to determine the condition and suitability of all surfaces before application.

## MIXING

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

For installations over plywood, sheet vinyl/VCT, Ultra-Set Advanced, exterior applications, or when setting porcelain tile, Bostik Tile-Mate® must be mixed with Bostik 425™ Multi-Purpose Acrylic Latex Admixture or Bostik 447™ Flex-A-Lastic Admixture.


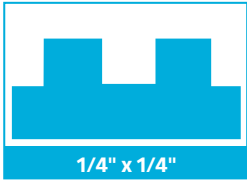
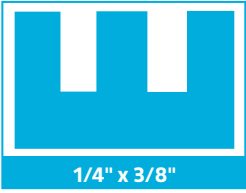
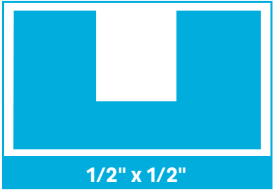


## APPLICATION

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

**Application over Plywood:** Maximum joist 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. 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

## RECOMMENDED TROWELS FOR MAXIMUM PERFORMANCE

Ceramic Mosaics Mounted Ceramics Coverage 85-100 ft <sup>2</sup>	4" x 4" and 4" x 8" Ceramic & Pavers Coverage 70-80 ft <sup>2</sup>	6" x 6" and 8" x 8" Quarry Tile 12" x 12" Ceramic Tile Coverage 50-60 ft <sup>2</sup>	8" x 8" and 12" x 12" Lugged Back & Mexican Paver Tile Coverage 30-35 ft <sup>2</sup>
 <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.

the plywood. Due to the limitations of plywood as a substrate, Bostik Tile-Mate® is not intended for use on plywood in exterior, wet interior, or applications subject to heavy/commercial traffic.

**Application over Existing Vinyl/VCT Flooring:** 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 or flooring. Ensure the exposed substrate is suitable for application.

### CURING

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

### CLEAN UP

Clean all tools and equipment 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% solid epoxy grout.

### LIMITATIONS

- Do not use for installing moisture sensitive stones (i.e. green marble) or resin backed stone.
- Do not use in installations where deflection exceeds L/360 (1" in 30 feet). If deflection exceeds L/360 (1" in 30 feet) but no more than L/240, mix with Bostik 447™ Flex-A-Lastic Admixture.
- Do not apply over oriented strand board, particle board, masonite, luaun or similar unstable substrates.
- Do not use where hydrostatic pressure can occur.
- Due to the limitations of plywood as a substrate, Bostik Tile-Mate® is not intended for use on plywood in exterior, wet interior, or applications subject to heavy/commercial traffic.

### 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 in unopened bags.

### PACKAGING

50 lb. bags, in gray or white formulations.

### DANGER

CORROSIVE WHEN WET. MAY CAUSE BURNS. IRRITATING TO EYES, SKIN AND RESPIRATORY TRACT. MAY CAUSE CANCER. DO NOT BREATHE DUST. Do not get in eyes, on skin or on clothing. Do not swallow. Handle with care. Use only in a well ventilated area or wear a mask. Wear protective clothing including gloves. Wash thoroughly after handling. Keep container closed. Store in a cool, dry area.

**KEEP OUT OF THE REACH OF CHILDREN.**

### LIMITED WARRANTY

The Limited Warranty for this product can be found at [www.Bostik-US.com/resource-center/warranties](http://www.Bostik-US.com/resource-center/warranties) or by calling 1-800-726-7845 (choose option 2, then option 2 again). TO THE MAXIMUM EXTENT ALLOWED BY LAW, BOSTIK DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. UNLESS OTHERWISE STATED IN THE LIMITED WARRANTY, THE SOLE REMEDY FOR BREACH OF WARRANTY IS REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER'S PURCHASE PRICE. BOSTIK DISCLAIMS ANY LIABILITY FOR DIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES TO THE MAXIMUM EXTENT ALLOWED BY LAW. DISCLAIMERS OF IMPLIED WARRANTIES MAY NOT BE APPLICABLE TO CERTAIN CLASSES OF BUYERS AND SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. The Limited Warranty extends only to the original purchaser and is not transferable or assignable. Any claim for a defective product must be filed within 30 days of discovery of a problem, and must be submitted with written proof of purchase.

BOSTIK HOTLINE™

**Smart help™**  
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This document supersedes all previously published literature.