

# Product Information



## D-25™ DitraSet Thin-Set Mortar

### **Product Description:**

D-25 DITRASET™ Thin Set Mortar is composed of select, proprietary chemicals, carefully graded aggregates, inorganic adhesion promoters, and purified cements. It provides outstanding workability, excellent durability, and superior bond strengths in interior and exterior applications when used in conjunction with the Schluter®-DITRA uncoupling membrane and Schluter®-KERDI waterproofing membrane. Use D-25 DitraSet™ to install the membranes over substrates approved by Schluter®-Systems and to set ceramic, porcelain, and stone tile over Schluter®-DITRA and Schluter®-KERDI.

### **Directions For Use:**

Read and understand data sheet and applicable Schluter® Systems literature, including the Schluter®-DITRA Installation Handbook, completely before beginning installation. Contact Schluter® Systems with any questions regarding construction of the tile assembly. Follow applicable TCA and ANSI industry standard guidelines.

### **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. Any leveling or sloping must be done prior to installation of Schluter®-DITRA and Schluter®-KERDI.

### **Mixing:**

Using a slow speed mixer (< 150 rpm), mix either 5 to 6 quarts of clean potable water, 5 to 6 quarts of D-L16 High Strength Mortar and Grout Additive, or 6 to 7 quarts of D-L36 Flexible Mortar Additive to 50 lbs. of D-25 DitraSet Thin Set. Mix to creamy consistency. Allow mixture to stand 15 minutes, and re-mix prior to application. Do not re-temper by adding more liquid.

### **Application:**

**Schluter®-DITRA Installation** – For plywood substrates, mix with D-L16 High Strength Mortar and Grout Additive or D-L36 Flexible Mortar Additive. For concrete, gypsum, mortar bed, and cement backerboard substrates, mix with water only.

Apply a thin coat of D-25 DitraSet™ to the substrate with the flat edge of a trowel to achieve a good mechanical bond to the substrate. Comb additional mortar with a 1/4" x 3/16" or 5/16" x 5/16" V-notched trowel. Apply mortar to an area no greater than that to which Schluter®-DITRA can be installed in 20 to 30 minutes. If any evidence of skinning or setting occurs, remove and replace with fresh mortar. Apply DITRA® to the floor, fleece side down. Work DITRA® into the mortar, using a float or screed trowel in such a way that the fleece of the DITRA® is solidly embedded in the bonding mortar throughout its entire surface. Periodically, lift up a corner of the DITRA® to check the fleece for full coverage.

**Schluter®-KERDI Installation** – For drywall, cementbacker board, concrete, or masonry substrates, mix with water only. Apply a thin coat of D-25 DitraSet™ to the substrate with the flat edge of a trowel to achieve a good mechanical bond to the substrate. Comb additional mortar with a 1/4" x 3/16" V-notched trowel. Apply mortar to an area no greater than that to which Schluter®-KERDI can be installed in 20 to 30 minutes. If any evidence of skinning or setting occurs, remove and replace with fresh mortar. Apply KERDI to the substrate and work the membrane into the mortar with the flat side of the trowel to ensure proper adhesion and to remove air pockets. Periodically, lift up a corner of the KERDI to check the fleece for full coverage.

**Tile Installation** – Mix with water only for installation of ceramic, porcelain, or stone tiles over Schluter®-DITRA and Schluter®-KERDI. Do not use to set moisture-sensitive stone (e.g., green marble). Over Schluter®-DITRA, apply a coat of D-25 DitraSet with the flat edge of a trowel to completely fill the cavities on the surface of the membrane and achieve a mechanical bond to the membrane. Over Schluter®-KERDI, apply a thin coat of D-25 DitraSet with the flat edge of trowel to fully engage the fleece and achieve a mechanical bond to the membrane. Comb additional mortar over the surface using a trowel that is appropriate for the size of the tile. Apply mortar to an area no greater than that to which tile can be installed in 20 to 30 minutes. If any evidence of skinning or setting occurs, remove and replace with fresh mortar.



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 or wet applications: minimum 95% coverage). A finished mortar bed thickness of 3/32" to 1/8" is required.

### **Clean-Up:**

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

### **Grouting:**

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

### **Limitations:**

- Do not use for installing moisture sensitive stones (e.g., green marble) or resin-backed tiles.
- Tile assembly shall be installed according to the most recently published Schluter Systems® literature, including the Schluter®-DITRA Installation Handbook, and applicable industry standard guidelines.

### **Limitations When Ditra® Or Kerdi® Is Not Used:**

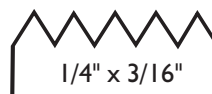
- Deflection must not exceed L/360
- Natural stone such as marble, limestone, granite and travertine may not tolerate deflection in excess of L/720. Refer to the Marble Institute of America Design Manual for details on specific types of stone.
- Do not apply over particleboard, Masonite, luan or similar unstable substrates.
- Do not apply directly over approved plywood sub-floors, or waterproofing/crack isolation membranes such as Durabond D-222 Duraguard unless the mortar is mixed with with 100% D-L16 High Strength Mortar and Grout Additive or D-L36 Flexible Mortar Additive.
- Follow TCA specifications surface for preparation and tile installation.
- Do not use where hydrostatic pressure can occur.

### **LIMITED WARRANTY**

Bostik, Inc. warrants that the product conforms with Bostik's written specifications and is free from manufacturing defects. A PURCHASER'S SOLE REMEDY FOR NONCOMPLIANCE WITH THIS WARRANTY SHALL BE THE REPLACEMENT OF THE PRODUCT OR REFUND OF THE PURCHASE PRICE. Purchasers may address their warranty claims to Bostik, Inc., 211 Boston St., Middleton, MA 01949, Attn: Customer Service or call Bostik at 1-888-592-8558. TO THE MAXIMUM EXTENT ALLOWED BY LAW, BOSTIK DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND LIABILITY FOR DIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

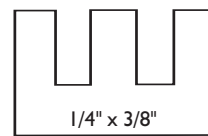
## RECOMMENDED TROWELS FOR MAXIMUM PERFORMANCE (PER 50 LB BAG)

Schluter-DITRA or Schluter-KERDI to substrate  
Coverage 150-200 ft<sup>2</sup>



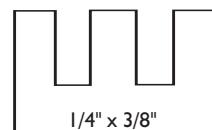
1/4" x 3/16"

To bond tile to Schluter-DITRA  
Coverage 40-50 ft<sup>2</sup>



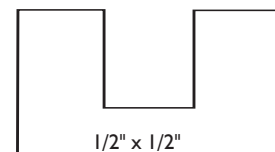
1/4" x 3/8"

To bond tile to Schluter-KERDI  
Coverage 50-60 ft<sup>2</sup>



1/4" x 3/8"

> 12"x12" Ceramic Tiles  
Coverage 30-40 ft<sup>2</sup>



1/2" x 1/2"

Coverages shown are approximate and are given for estimating purposes only. Actual job-site coverages will vary according to trowel size, tile size and thickness, job conditions, and setting practices.

# Bostik

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## PLANT LOCATIONS

TEMECULA, CA 92590  
CONYERS, GA 30207  
PAULSBORO, NJ 08066

[www.bostik-us.com](http://www.bostik-us.com)

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