



# Ditra-Set™

1/2 BATH

## Portland Cement Thin Set Mortar and Medium-Bed Mortar for Schluter®-Ditra Uncoupling Membrane

**For Interior or Exterior Installations in Conjunction with Schluter®-Ditra Uncoupling Membrane**

**Exceeds ANSI A118.1 When Mixed with Water**

**Excellent For Porcelain Tiles**

**Recommended Use with Large Format Tiles**



PROFILE OF INNOVATION

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### Description

Bostik® Ditra-Set™ is composed of select, proprietary chemicals, carefully graded aggregates, inorganic adhesion promoters and purified cements. It provides outstanding workability, excellent durability, significant leveling characteristics 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 Bostik Ditra-Set™ 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 TCNA 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 5 to 6 quarts of clean potable water, 5 to 6 quarts of Bostik® 425™ Multi-Purpose Acrylic Admixture, or 6 to 7 quarts of Bostik® 447™ Flex-A-Lastic Admixture to 50 lbs. of Bostik Ditra-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 Bostik 425 Multi-Purpose Acrylic Admixture or Bostik 447 Flex-a-Lastic Admixture. For concrete, drywall, mortar bed, and cement backer board substrates, mix with water only.

Apply a thin coat of Bostik Ditra-Set to the substrate with the flat edge of 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 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, cement backer board, concrete, or masonry substrates, mix with water only.



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Green Products  
Initiative

Apply a thin coat of Bostik Ditra-Set to the substrate with the flat edge of 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 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 Ditra-Set with the flat edge of the 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 Ditra-Set 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 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). It may be necessary to back-butter the tile to meet these requirements.

## 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 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% solids epoxy grout.

## Coverage\*

**To bond Schluter®-DITRA or Schluter®-KERDI to the substrate:** Use one 50-lb (22.7-kg) bag of mortar per 150 – 200-ft<sup>2</sup> (13.9 – 18.6-m<sup>2</sup>).

**To bond tile to Schluter®-DITRA (using a 1/4" x 3/8" square- or U-notched trowel):** Use one 50-lb (22.7-kg) bag of mortar per 40 – 50-ft<sup>2</sup> (3.7 – 4.6-m<sup>2</sup>).

**To bond tile to Schluter®-KERDI (using a 1/4" x 3/8" square- or U-notched trowel):** Use one 50-lb (22.7-kg) bag of mortar per 50 – 60-ft<sup>2</sup> (4.6 – 5.6-m<sup>2</sup>). Larger tiles may require a larger trowel such as a 1/2" x 1/2" or a 3/4" U-notch to achieve adequate transfer. 50 lb. per 30-40 ft<sup>2</sup> (3.0-3.5 m<sup>2</sup>).

\*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.

## 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 over directly over approved plywood sub floors, waterproofing or crack isolation membranes such as Bostik Ultra-Set Advanced or Bostik GoldPlus unless the mortar has been mixed with 100% Bostik 425 Multi Purpose Acrylic Admixture or Bostik 447 Flex-A-Lastic.

- Follow TCNA specifications surface preparation and tile installation.
- Do not use where hydrostatic pressure can occur.

## Packaging

50 lb. bags, white formulation only

**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

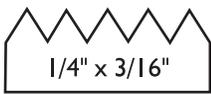
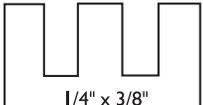
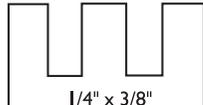
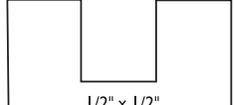
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This document supersedes all previously published literature.  
T16 02-13-13

## Recommended Trowels For Maximum Performance

Schluter-DITRA or Schluter-KERDI to substrate Coverage 150-200 ft <sup>2</sup>	To bond tile to Schluter-DITRA Coverage 40-50 ft <sup>2</sup>	To bond tile to Schluter-KERDI Coverage 50-60 ft <sup>2</sup>	>12"x12" Ceramic Tiles Coverage 30-40 ft <sup>2</sup>
			

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.



Stronger Bonds, Better Life