

hydroment[®]

P R O D U C T I N F O R M A T I O N

DITRA-SET™ DRY SET MORTAR



For Use with Schluter[®]-DITRA and Schluter-KERDI Systems

PRODUCT DESCRIPTION

Hydroment Ditra-Set™ Dry 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 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 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 5 to 6 quarts of clean potable water, 5 to 6 quarts of 425 Multi-Purpose Acrylic Latex Admixture or 6 to 7 quarts of 447 Flex-A-Lastic Admixture to 50 lbs. of Ditra-Set Dry 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 425 Multi-Purpose Acrylic Latex Admixture or 447 Flex-A-Lastic Admixture. For concrete, gypsum, mortar bed, and cement backer board substrates, mix with water only.

Apply a thin coat of 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.

Apply a thin coat of 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). 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 Hydroment grouting system. Allow 48 hours before grouting with 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 ft² (13.9-18.6m²). 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-ft² (3.7-4.6-m²). 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 ft² (4.6-5.6-m²). 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 ft² (3.0-3.5 m²).

LIMITATIONS

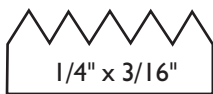
- Do not use for installing moisture sensitive stones (e.g., green marble) or resin-backed tiles.
- Tile assembly shall be installed according to the most recently published Schluter Systems literature, including the Schluter-DITRA Installation Handbook, and applicable industry standard guidelines.

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 subfloors, waterproofing or crack isolation membranes such as Hydroment Ultra-Set Advanced or Hydroment Gold unless the mortar has been mixed with 100% 425 Multi-Purpose Latex Admixture or 447 Flex-A-Lastic.
- Follow TCA specifications surface preparation and tile installation.
- Do not use where hydrostatic pressure can occur.

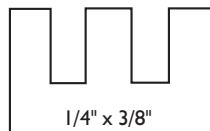
RECOMMENDED TROWELS FOR MAXIMUM PERFORMANCE (PER 50 LB BAG)

Schluter-DITRA or Schluter-KERDI to substrate
Coverage 150-200 ft²



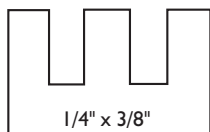
1/4" x 3/16"

To bond tile to Schluter-DITRA
Coverage 40-50 ft²



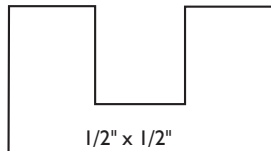
1/4" x 3/8"

To bond tile to Schluter-KERDI
Coverage 50-60 ft²



1/4" x 3/8"

> 12"x12" Ceramic Tiles
Coverage 30-40 ft²



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.

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

Ditra-Set is available in 50 lb. (22.7kg) bags.



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PLANT LOCATIONS

Temecula, CA 92590
Twinsburg, OH 44087
Conyers, GA 30207
Paulsboro, NJ 08066



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LIMITED WARRANTY

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