

SUPER-TEK

Dual Mix™

High-performance thinset mortar

- High bond strength
- Easy to trowel
- Residential to medium commercial applications
- Floor and wall installations
- Interior use
- Exceeds ANSI A118.1 standards

Installation

All installations must be set in accordance with the most recent publication of the Tile Council of North America's "TCNA Handbook for Ceramic, Glass, and Stone Tile Installation" and the following guidelines.

Approved Substrates

Properly prepared concrete, concrete block, plumb and true masonry, gypsum board, and cured Portland cement beds.

DO NOT USE OVER: Hardwood, plywood, existing tile, cement backer board, masonite, chipboard, flakeboard, presswood, asbestos board, vinyl flooring, lauan plywood, OSB, metal, gypsum-based levelers, glass, plastic or other similarly unstable substrates.

- Latex additive must be used when installing porcelain tiles, for installations over cement backer board or exterior grade plywood, and for exterior applications.
- Not for use with green marble or similar moisture sensitive tiles prone to "curling".
- Use white thin-set mortar when installing light colored marble and light colored grouts.

Mixing

1) For a 50 pound bag pour approximately 6 quarts of cool, clean water into a clean mixing container.

2) Gradually add powder while slowly mixing using a slow speed bucket mixer or mortar box. Do not use high-speed drills.

3) Continue mixing for about 3-5 minutes or until the mixture becomes a thick, smooth, paste-like consistency.

4) Allow mixture to slake (stand) for 10-15 minutes.

5) Then remix 1-2 minutes before applying.

NOTE: Mixture should be stirred occasionally during use, do not retemper. Pot life is approximately 2-3 hours depending on temperature and humidity.

Application

All surfaces must be clean and free of dust, grease, wax, and foreign matter. Using pressure, apply a thin skim coat with flat edge of trowel. Then using the proper sized notched trowel apply a second coat to form ridges. Trowel only in an area that can be tiled before the mortar skins over (15-20 minutes). If mortar skins over, remove and apply fresh mortar. Apply dry tiles with pressure and a slight twisting motion. Immediately beat tiles in to ensure maximum contact and bond. After setting several tiles, remove one or two and inspect, making sure tile backs are 100% covered with mortar. Back buttering of tiles may be necessary to insure 100% coverage. Do not use at temperatures below 45°F (7°C) or above 95°F (35°C).

Curing

Dual Mix may be damp cured with water for three days to increase hardness prior to grouting. All traffic should be kept off of floors for a minimum of 48 hours. Jobsite temperature must remain between 45°F and 95°F for a minimum of 72 hours after installation.

Grouting

May be accomplished in 24 hours if tiles are firmly set and kneeling boards are used. To ensure quality joints, use one of Super-Tek's high performance grouts.

High performance ceramic tile, stone and marble installation products for the professional installer

STP

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**SUPER-TEK****TECHNICAL DATA**
Dual Mix (mixed with water)

ANSI A118.1 – 1999 TEST	RESULTS
28 DAY SHEAR STRENGTH (GLAZED WALL TILE)	>410 PSI
28 DAY SHEAR STRENGTH (IMPERVIOUS CERAMIC MOSAIC TILE)	>298 PSI
TCA SERVICE RATING ASTM C-627	>EXTRA HEAVY
VOCs/ASTM D6886	0 g/L
Note: Mix with Super-Tek's Super-Tiler additive, instead of water, to provide the enhanced performance characteristics of ANSI A118.4 latex modified Portland cement mortar.	
PROPERTIES at 72°F (22°C) & 50% relative humidity	
OPEN TIME*	50 MINUTES
POT LIFE*	2-3 HOURS
TIME BEFORE GROUTING*	24 HOURS
*ALL PROPERTIES MAY VARY BASED ON JOB SITE CONDITIONS	

Packaging

50 lb. (22.7 Kg.) multi-wall paper bag, available in grey and white.

Shelf Life

One year when stored in original packaging in a dry, ventilated place. Exposure to moisture will shorten the shelf life.

WARNING! EYE AND SKIN IRRITANT.

Contains crystalline silica and Portland cement. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly after handling. For additional information, see Safety Data Sheet (SDS) for this product on our website.

KEEP OUT OF THE REACH OF CHILDREN!

Coverage

Approximate coverage per 50 pound (22.7 Kg.) bag. Actual coverage may vary based on tile type and backing, application thickness and substrate condition.

- Ceramic, quarry, vitreous and natural stone tiles (includes lug-backed tiles) up to 12" x 12" in size: Using 1/4" x 3/8" x 1/4" Square-notched trowel coverage averages 50-55 sq. ft. per bag.
- Ceramic, quarry, and vitreous tiles up to 6" x 6" in size: Using 1/4"x 1/4" x 1/4" Square-notched trowel coverage averages 75-85 sq. ft. per bag.
- Ceramic mosaics: 3/16" x 3/16" V-notched (saw tooth) trowel coverage averages 100-115 sq. ft. per bag.

Trowel Size Note: When installing tiles larger than 12" x 12" use appropriate sized trowel to ensure 100% coverage of tile back (i.e. 3/4" U-notched trowel). Coverage will vary.

Technical Assistance

By phone Monday through Friday
8:00 AM to 4:30 PM EST

T 718-278-7900 ext. 111

By e-mail: info@super-tek.com

Or our website: www.super-tek.com

NOTICE AND WARRANTY DISCLAIMER: The MANUFACTURER has provided these Instructions/ Recommendations [I/R] to assist the USER in the application of this product. These I/Rs are not warranted to be comprehensive, complete, thorough or conclusive as regards any specific installation. Before using, USER shall determine the suitability of the product for its intended use and USER alone assumes all risks and liability whatsoever in connection therewith. The liability of the SELLER and the MANUFACTURER, whether express or implied, whether in contract or in tort, arising out of warranties, representations, instructions or defects from any cause shall be limited exclusively to replacing the product, provided the same is proved defective, or refunding the purchase price upon return of the unused product. In no event will SELLER or MANUFACTURER be liable for consequential damages, including but not limited to, loss of materials, costs of labor, loss of profits, costs of replacement goods, or other commercial loss. The USER accepts the product AS IS, and without warranties expressed or implied. Any claims shall be deemed waived unless made in writing to MANUFACTURER within ten (10) days from date it was, or reasonably should have been, discovered.

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