



Thin-Set Multi Purpose NO. 1550

PRODUCT DESCRIPTION

Basic Use: QUIKRETE® Thin-Set Multi-Purpose (#1550) is used as a bond coat for installation of high-lug absorptive tiles, semi-vitreous, vitreous tiles or marble tile on acceptable surfaces including properly prepared exterior grade plywood. It can be used on interior or exterior horizontal or vertical surfaces.

Limitations: QUIKRETE® Thin-Set Multi-Purpose must not be used over plastic, glass, metal, vinyl, or Luan type underlayments. Must not be allowed to freeze for 3 days after application.

Composition and Material: QUIKRETE® Thin-Set Multi-Purpose is a proprietary blend of Portland cement, sand and special polymer additives.

Colors: QUIKRETE® Thin-Set Multi-Purpose is available in gray and white.

Packaging: QUIKRETE® Thin Set-Multi-Purpose is available in 50 lb (22.7 kg) bags, 25 lb (11.3 kg) and 7 lb (3.2 kg) pails.

TECHNICAL DATA

Applicable Standards: Meets or exceeds the requirements for Latex-Portland cement mortars found in ANSI A118.4 or Dry-Set Portland cement mortars ANSI A118.1 when applied in accordance with ANSI A108.5. See table 1 for typical results.

Coverage: Approximately 80 square feet per 50 pound bag with a ¼" X ¼" square notched trowel.

INSTALLATION

Expansion Joints: Shall be installed in accordance with the Tile Council of America's recommendation.

Surface Preparation: Surfaces must be structurally sound, dimensionally stable and
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practical for a ceramic tile installation. Surfaces must be clean free from dirt, loose particles and any other foreign material. Gypsum based leveling compounds are not considered suitable surfaces. Surfaces must be frost free and remain above 40 F for 72 hours after application. Wooden surfaces must be exterior grade plywood only and deflection must not exceed 1/360 of the span with live and dead loads. Plywood shall be glued where appropriate and nailed every 6" around perimeter of each sheet and 8" on center throughout the sheet using appropriate ring shank nails. A 3/16" space shall be left between sheets of plywood to allow for expansion. Plywood surfaces shall be for interior use only and protected from exposure to water.

Mixing: Mix only with clean water suitable for drinking. (Approximately 4.5-5 qt. (4.3-4.7 L) per 50 lb bag). Containers and tools must be clean to assure proper results. Mix to a thick paste-like consistency suitable for trowelling. Do not use high-speed, high-shear type equipment for mixing. Mix thoroughly and let stand for 15 minutes. Remix before using.

Application: Using the flat side of the trowel at about a 35-40° angle, apply a skim coat of mortar to the substrate. Immediately follow with a heavier coat and then comb with an appropriately sized notched trowel (typically 1/4" x 1/4" x 1/4"). Cover surface uniformly with no bare spots, with sufficient mortar to insure a minimum mortar thickness of 3/32" (2 mm) between the tile and backing. Press tile into freshly combed mortar with a twisting motion. Thoroughly beat all tile assemblies into place to obtain maximum contact of bonding mortar on the back of each tile. Once initial set has taken place, do not vibrate or attempt to adjust the tile or the substrate. Clean QUIKRETE® Thin-Set Multi-Purpose off the face of the tile promptly with water

Curing Allow tile to set for 48 hours prior to grouting.

Table 1

Shear Bond Strength (ANSI A 118.4)		
	Wall Tile	Quarry Tile
7day	> 300 psi	>100 psi
28 day	> 300 psi	>150 psi
Compressive Strength (C 109 modified per ANSI A 118.4)		
7 day		> 2,000 psi
28 day		> 3,000 psi

Warranty

The QUIKRETE® Companies warrant this product to be of merchantable quality when used or applied in accordance with the instructions or applied in accordance with the instructions herein. The product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of its product (as purchased) found to be defective, or at the shipping companies' option, to refund the purchase price. In the event of a claim under this warranty, notice must be given to The QUIKRETE® Companies in writing at Atlanta, GA 30305. The limited warranty is issued and accepted in lieu of all other express warranties and expressly excludes liability for consequential damages.

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