

**DIVISION 3**  
 Hydraulic Cement  
 Underlayment  
 03 54 16

# THIN SET MULTI-PURPOSE

PRODUCT NO. 1550

## PRODUCT DESCRIPTION

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.

## PRODUCT USE

QUIKRETE® Thin Set Multi-Purpose is suitable for use as a bond coat for tiles over interior or exterior horizontal or vertical surfaces which are rigid and non-flexing. Available in white or gray.

## SIZES

• QUIKRETE® Thin Set Multi-Purpose - 50 lb (22.7 kg) bags

## YIELD

• Approximately 80 square feet per 50 lb (22.7 kg) bag with a 1/4" X 1/4" square notched trowel.

## TECHNICAL DATA

Meets or exceeds the requirements for Latex-Portland cement mortars found in ANSI A118.4 and A118.11 or Dry-Set Portland cement mortars ANSI A118.1 when applied in accordance with ANSI A108.5. See table 1 for typical results.

TABLE 1 TYPICAL PHYSICAL PROPERTIES

Shear Bond Strength (ANSI A 118.4)		
	Wall Tile	Quarry Tile
7day	> 300 psi (2.1 MPa)	>100 psi (0.7 MPa)
28 day	> 300 psi (2.1 MPa)	>150 psi (1 MPa)
Compressive Strength (C 109 modified per ANSI A 118.4)		
7 day	> 2,000 psi (13.8 MPa)	
28 day	> 3,000 psi (20.7 MPa)	

## INSTALLATION

### SURFACE PREPARATION

Expansion joints shall be installed in accordance with the Tile Council of America's recommendation. Surfaces must be structurally sound, dimensionally stable and 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 (22.7 kg) bag). Containers and tools must be clean to assure proper results. Mix to a thick paste-like consistency suitable for troweling. 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.

## PRECAUTIONS

• 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.

## WARRANTY

The QUIKRETE® Companies warrant this product to be of merchantable quality when used 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. This limited warranty is issued and accepted in lieu of all other express warranties and expressly excludes liability for consequential damages.

The QUIKRETE® Companies  
 One Securities Centre  
 3490 Piedmont Rd., NE, Suite 1300, Atlanta, GA 30305  
 (404) 634-9100 • Fax: (404) 842-1425

\* Refer to [www.quikrete.com](http://www.quikrete.com) for the most current technical data, MSDS, and guide specifications



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