

THIN-SET MORTAR

PRODUCT NO. 1547 (SANDED)

DIVISION 32

Tile Setting Materials
09 30 00

PRODUCT DESCRIPTION

QUIKRETE® Thin-Set Sanded Mortar is a dry set Portland cement mortar for the setting of glazed wall tile, ceramic mosaics, pavers and quarry tile.

PRODUCT USE

QUIKRETE® Thin-Set Mortars are formulated for maximum workability to allow correct bedding thickness and notching control. They can be used for interior or exterior application over concrete masonry, brick, poured or pumped concrete, Portland cement plaster, and gypsum wallboard. QUIKRETE® Thin-Set Mortars contain water-retaining agents that aid workability and ensure an adequate and uniform rate of curing of the mortar. The proprietary formulations of the mortars eliminate the necessity of soaking either the tile or the backing surfaces. Available in gray or white.

SIZES

• QUIKRETE® Thin-Set Mortar- 50 lb (22.7 kg) & 25 lb. (11.3 kg) bags.

TECHNICAL DATA

QUIKRETE® Thin Set Mortar meets or exceeds the physical property requirements of ANSI A118.1 when installed as described below. For further installation instruction, refer to ANSI A108.5. See Table 1 for typical test results. For compliance with ANSI A118.4, mix with QUIKRETE® Concrete Acrylic Fortifier. QUIKRETE® also produces a one component latex-Portland cement mortar meeting ANSI A118.4 and A118.11. (See data sheet for Thin-Set Multi- Purpose).

TABLE 1 TYPICAL PHYSICAL PROPERTIES

	Quarry Tile Glazed Wall Tile	
7 day	> 50 psi (0.3 MPa)	>200 psi (1.4 MPa)
28 day	> 100 psi (0.7 MPa)	>250 psi (1.7 MPa)

INSTALLATION

SURFACE PREPARATION

Surfaces must be clean, free from dirt, loose particles and other foreign material. Surface must be frost-free and remain above 40°F for 72 hours. They must also be structurally sound, dimensionally stable, and practical for a ceramic tile installation. Dampen surface if very dry, but do not saturate.

MIXING

Mix with clean water suitable for drinking. Containers and tools must be clean to assure proper results. Mix to a thick paste-like consistency suitable for troweling. Thin-Set Mortar will require

approximately 6-6.5 quarts (5.6-6.2 L) of water per 50 pound (22.7 Kg) bag. Do not use high-speed, high-shear type equipment for mixing. Mix thoroughly and let stand for 10 minutes. Remix before use.

APPLICATION

With pressure, apply a skim coat on the backing. Immediately apply mortar with the flat side of a trowel over an area no greater than can be covered while the mortar remains workable. Cover the surface uniformly with no bare spots, with sufficient mortar to insure a minimum mortar thickness of 3/32 inch (2mm) between the tile and backing after the tile has been beaten into place. Comb with an appropriately sized notched trowel to obtain an even setting-bed without scraping the backing material. Tiles should not be soaked. Tile should be applied with a twisting motion into a fresh bed of Thin Set. Keep a minimum of 2/3 of joint depth open for grouting. Average contact area shall not be less than 80% except on exterior or shower applications where contact area shall be 95%. Obtaining 100% contact with the tile may require applying a layer of mortar on the back of each tile prior to firmly pressing it into the combed mortar. It is helpful to run a small test panel to determine setting time, which changes with temperature, relative humidity, absorption, etc. For best results, apply Thin Set over a small area at a time, then immediately set tile. Once initial set has taken place, do not vibrate the tile or its backing.

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.

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* Refer to www.quikrete.com for the most current technical data, MSDS, and guide specifications



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