**Thin-Set Mortar**  
**Product No. 1547 (Sanded)**

**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**

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<tr>
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<th>Quarry Tile Glazed</th>
<th>Wall Tile</th>
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<tbody>
<tr>
<td>7 day</td>
<td>&gt; 50 psi (0.3 MPa)</td>
<td>&gt;200 psi (1.4 MPa)</td>
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<tr>
<td>28 day</td>
<td>&gt; 100 psi (0.7 MPa)</td>
<td>&gt;250 psi (1.7 MPa)</td>
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**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, highshear 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**  
NOTICE: Obtain the applicable LIMITED WARRANTY: at www.quikrete.com/product-warranty or send a written request to The Quikrete Companies, LLC, Five Concourse Parkway, Atlanta, GA 30328, USA. Manufactured under the authority of The Quikrete Companies, LLC. © 2018 Quikrete International, Inc.

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