SimpleSet® Pre-Mixed Thin-Set Mortar

1 Product Name
SimpleSet® Pre-Mixed Thin-Set Mortar

2 Manufacturer
Custom® Building Products

3 Product Description
A no-mix, no-mess alternative to traditional thin-set mortars spreads quickly and easily. Recommended to bond porcelain, stone, marble, granite and ceramic or porcelain tile up to 8” x 8” (20 x 20 cm). Can be used with tile with one side up to 15” (38 cm), but dry time significantly increases. Call Technical Services at 800-272-8786 for more information. For interior wall and floor installations. Use white SimpleSet when installing lighter-color stone and tile. Exceeds ANSI A136.1 Type I.

Key Features
- Ready to use
- No mixing, no mess
- Just spread and set

Suitable Tile Types
- Porcelain
- Marble, granite, stone (white mortar)
- Ceramic, mosaic
- Quarry tile

Limitations to the Product
- Do not bond tile directly to lightweight concrete, gypsum surfaces, hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels. Contact Technical Services.
- For clear or translucent glass, CUSTOM recommends Glass Tile Premium Thin-Set Mortar. When setting glass tile larger than 6” x 6” (15 x 15 cm), contact Custom’s® Technical Services for recommendations.
- Can be used with tile with one side up to 15” (38 cm), but dry time significantly increases.
- Do not use on shower floors or areas exposed to prolonged water exposure or steam.
- Do not use to install fixtures, ungauged stone tile, Saltillo pavers or clear or translucent glass tile.
- Do not use to install backerboards to subfloors, over a waterproof membrane or to install heating mats or coils. We recommend using a Custom® polymer-modified mortar.
- When setting moisture sensitive stone, tile or agglomerates use EBM-Lite™ Epoxy Bonding Mortar 100% Solids.
- Do not use more material than is necessary to bond tiles. If floor is uneven use a LevelQuik® or LevelLite® Self Leveling Underlayment.
- Installation dry time varies depending on tile size and density, substrate porosity and ambient conditions.
- Not recommended for installing tile larger than 6”x6” over waterproofing membranes.

Packaging
- 1 gallon (3.78 L) pail
- 3-1/2 gallon (13.25 L) pail
- Available in white or gray

4 Technical Data
Applicable Standards
American National Standards Institute (ANSI) ANSI A108.4 and A136.1, Type 1 American National Standards for the Installation of Ceramic Tile
SimpleSet® Pre-Mixed Thin-Set Mortar

Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ 171

Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

5 Instructions

General Surface Prep

USE CHEMICAL-RESISTANT GLOVES, such as nitrile, when handling product.

Surfaces must be structurally sound, clean, dry and free from grease, oil, dirt, curing compounds, sealers, adhesives or any other contaminant that would prevent a good bond. Glossy or painted surfaces must be sanded, stripped and cleaned of waxes, dirt or any contaminants. Concrete must be cured 28 days and accept water penetration. Concrete must be free of efflorescence and not subject to hydrostatic pressure. Concrete slabs should have a broomed or brushed finish to enhance the bond. Plywood flooring must be structurally sound and meet all ANSI and deflection requirements. For questions about proper subfloor installation, call Technical Services. Smooth concrete surfaces, existing glazed tile, terrazzo, or polished stone should be roughened or scarified. Roughen the surface by sanding or scarifying, rinse and allow to dry. Expansion joints should never be bridged with setting material. Do not sand flooring materials containing asbestos. Ambient temperature, surfaces and materials should be maintained at a temperature above 50° F (10° C) or below 100° F (38° C) for 72 hours.

Bonding to Concrete Surfaces

Concrete or plaster must be fully cured and accept water penetration. Test by sprinkling water on various areas of the substrate. If water penetrates, then a good bond can be achieved; if water beads, surface contaminants are present, and loss of adhesion may occur.

Contaminants should be mechanically removed before installation. Concrete must be free of efflorescence and not subject to hydrostatic pressure. Concrete slabs should have a broomed or brushed finish to enhance the bond. Smooth concrete slabs must be mechanically abraded to ensure a good bond.

For residential service rating, see TCNA F1160.

Bonding to Plywood Surfaces

Plywood floors must be structurally sound and must meet all ANSI A108.01 Part 3.4 requirements. Maximum allowable deflection: L/360 tile L/720 stone. See TCNA F142. For questions about proper subfloor installation, call Custom technical services.

Bonding to Backerboards

As an alternative to an additional layer of plywood, WonderBoard® Lite Backerboard may be installed over plywood subfloors. Refer to TCNA F144 and W244.
6 Availability & Cost

<table>
<thead>
<tr>
<th>Location</th>
<th>Item Code</th>
<th>Size</th>
<th>Color</th>
<th>Package</th>
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</thead>
<tbody>
<tr>
<td>USA</td>
<td>STTSW1</td>
<td>1 gal. (3.78 L)</td>
<td>White</td>
<td>Pail</td>
</tr>
<tr>
<td>USA</td>
<td>CTTSG1</td>
<td>1 gal. (3.78 L)</td>
<td>Gray</td>
<td>Pail</td>
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<tr>
<td>USA</td>
<td>STTSW3</td>
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7 Product Warranty
Obtain the applicable **LIMITED PRODUCT WARRANTY** at [www.custombuildingproducts.com/product-warranty](http://www.custombuildingproducts.com/product-warranty) or send a written request to Custom Building Products, Inc., Five Concourse Parkway, Atlanta, GA 30328, USA. Manufactured under the authority of Custom Building Products, Inc. © 2017 Quikrete International, Inc.

8 Product Maintenance
Properly installed product requires no special maintenance.

9 Technical Services Information
For technical assistance, contact Custom technical services at 800-282-8786 or visit [custombuildingproducts.com](http://custombuildingproducts.com).

10 Filing System
Additional product information is available from the manufacturer upon request.

**VOC Content**
Complies with all Federal EPA and SCAQMD standards for VOC.

**Related Products**
- Fusion Pro® Single Component® Grout
- Polyblend® Sanded Grout
- CEG-Lite™ 100% Solids Commercial Epoxy Grout
- CEG-IG 100% Solids Industrial Grade Epoxy Grout
- Prism® Ultimate Performance Grout
- SimpleGrout® Pre-Mixed Grout

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## Coverage

SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.8 L)

<table>
<thead>
<tr>
<th>Trowel Size</th>
<th>Min Coverage</th>
<th>Max Coverage</th>
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<tbody>
<tr>
<td>3/16&quot; x 5/32&quot; (5 x 4 mm) V-Notch for tile up to 6&quot; x 6&quot; (15 x 15 cm)</td>
<td>40 ft² (3.7 M²)</td>
<td>44 ft² (4.1 M²)</td>
</tr>
<tr>
<td>1/4&quot; x 1/4&quot; x 1/4&quot; (6 x 6 x 6 mm) Square-Notch for tile up to 12&quot; x 12&quot; (30 x 30 cm)</td>
<td>20 ft² (1.9 M²)</td>
<td>25 ft² (2.3 M²)</td>
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<tr>
<td>1/4&quot; x 3/8&quot; x 1/4&quot; (6 x 9.5 x 6 mm) Square-Notch for tile up to 16&quot; x 16&quot; (30 x 30 cm)</td>
<td>14 ft² (1.3 M²)</td>
<td>17 ft² (1.6 M²)</td>
</tr>
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</table>

Recommended minimum coverage (80% for dry areas and 95% for wet areas). Back buttering may be necessary.

Note that mortar coverage does not include backbuttering tiles. When backbuttering, consider the tile underside pattern and depth to estimate thickness and usage to add to your estimate.

Chart for estimating purposes. Coverage may vary based on installation practices and jobsite conditions. For more sizes, use the material calculator at CustomBuildingProducts.com or contact CUSTOM Technical Services at 800-282-8786.