



# Mastic 625

TILE & STONE INSTALLATION PRODUCTS

## DESCRIPTION

Siena Mastic 625 is a non-slip high performance, smooth spreading mastic formulated for interior installation of all types of wall and floor tile on vertical or horizontal surfaces. This product is non-flammable, freeze-thaw stable to 10° F, and exceeds ANSI-A-136.1 Type 1 specification on organic adhesive for the installation of most tile and stone. Organic mastics are not recommended for exterior use.

## BASIC USES

Tile and stone including ceramic, mosaics, glazed wall tile, quarry tile, slate, and pavers, up to 12" x 12". Do not use to install button back or lug back tiles.

## STORAGE

1. Store containers in a cool, dry location
2. Store at a temperature between 40°F (4°C) and 90°F (32°C)
3. Do not store in direct contact with the ground and/or concrete
4. Store out of direct sunlight
5. Protect containers from weather and other damage
6. Shelf life is one year in unopened container at 70°F

## RECOMMENDED SUBSTRATES

Can be used over APA grade underlayment plywood, association grade particleboard, cork underlayments, existing well-bonded vinyl, tile and sheet flooring, terrazzo, radiant heated subfloors where surface temperatures do not exceed 85°F, concrete, and TCNA approved vertical surfaces. Install above, on, or below grade, in the absence of excessive moisture and alkali. The pH levels of concrete should be greater than 5 and less than 9.

## SURFACE PREPARATION

Tile and stone installations using Mastic 625 must conform to ANSI-A-108.4. Surface must be structurally sound and free of dirt, dust, flaking paint, soap film, grease, adhesive, chemical curing compounds and any substance or chemical that would interfere with a proper bond. For more complete installation procedures see the Tile Council of North America Handbook and ANSI A108.4.

## CONTROL JOINTS

Never apply mortar over any expansion or control joint. For more information see TCNA (Tile Council of North America) Handbook and EJ-171.

## APPLICATION

For best results, it is recommended that prior to application the adhesive be brought to a temperature between 40°F and 90°F. After spreading adhesive with flat edge of the trowel, comb tile with fresh adhesive using notched side of trowel (see trowel recommendation chart). Back buttering of each tile is recommended to insure proper coverage for installation. Omega Products International, Inc. cannot know all job conditions, it is the installer's responsibility to use the appropriate trowel size to ensure 90% coverage of tile. Press the tiles into the adhesive with a twisting motion to ensure good contact of the adhesive to the back of the tile (greater than 90%).

## MATERIAL CALCULATOR

Visit the Siena web site at [www.SienaProducts.com](http://www.SienaProducts.com) and click on the "Material Calculator" tab for recommended products and to calculate the amount of materials needed for each project. Always follow all manufacturers' recommendations and warranty information prior to any tile or stone installation.

## GROUTING

Under normal conditions (75°F), tiles may be grouted within 24-48 hours.

## PACKAGING

This product is packaged in two sizes; 1 gallon (3.78 L) and 3.5 gallon (13.25 L) pails.

## CAUTION

Do Not Take Internally. If ingested do not induce vomiting. If contact with eyes or skin, flush with water. If irritation persists seek medical attention.

## RECOMMENDED TROWELS

Flooring	Trowel Size and Notch	Coverage
Glazed wall tile	3/16" x 5/32" sawtooth 4.8mm x 4.8mm x 4.0mm	Up to 60 ft <sup>2</sup> /gal Up to 2.0 m <sup>2</sup> /liter
Heavy tile and pavers	1/4" x 1/4" x 3/8" square-notch 6.4mm x 6.4mm x 9.5mm	Up to 40 ft <sup>2</sup> /gal Up to 1.0 m <sup>2</sup> /liter
Ceramic mosaics and gauged slate	1/8" x 1/8" x 1/8" V-notch 3.2mm x 3.2mm x 3.2mm	Up to 80 ft <sup>2</sup> /gal Up to 2.0 m <sup>2</sup> /liter
Quarry tile	1/4" x 1/4" x 1/4" square-notch 6.4mm x 6.4mm x 6.4mm	Up to 30 ft <sup>2</sup> /gal Up to 1 m <sup>2</sup> /liter

\*Trowel dimensions are width x depth x spacing. Coverage is approximate and may vary depending on porosity of substrate and the angle at which the trowel is held. It is the installer's responsibility to apply the proper amount of adhesive for the job condition.

**TECHNICAL DATA**

Open Time at 73°F (23°C)	30 – 45 Minutes
Adjustability at 73°F (23°C)	30 – 45 Minutes
V.O.C. (SCAQMD Compliant)	63 gr/L
Freeze-Thaw Stable	10°F (-12°C)
Anti Microbial	Protected with Meta-Sept®

**COVERAGE (PER GALLONS AND LITERS)**

Sawtooth Trowel Coverage	
3/16" x 5/32" (4.8 x 4.8 x 4.0 mm)	60 ft <sup>2</sup> (2.0 m <sup>2</sup> )
Square Notch Trowel Coverage	
1/4" x 1/4" x 1/4" (6.4 x 6.4 x 6.4 mm)	30 ft <sup>2</sup> (1.0 m <sup>2</sup> )
1/4" x 1/4" x 3/8" (6.4 x 6.4 x 9.5 mm)	40 ft <sup>2</sup> (1.0 m <sup>2</sup> )
V-notch Trowel Coverage	
1/8" x 1/8" x 1/8" (3.2 x 3.2 x 3.2 mm)	80 ft <sup>2</sup> (2.0 m <sup>2</sup> )

**LIMITATIONS**

DO NOT apply Siena Mastic 625 directly over improperly cured or wet plywood, particle board, stripwood, asphalt sheeting, vinyl covered wall board, Masonite, cement asbestos board, metal, glass, plastic or any dimensionally unstable substrate.

DO NOT apply at temperatures below 40°F (4°C) or above 90°F (32°C). Avoid freezing until the material is dry.

DO NOT apply over wet surfaces or with hydrostatic pressure.

DO NOT use over structural cracks in excess of 1/8" (3.2 mm).

DO NOT use with marble on substrates with a greater deflection than 1/720.

DO NOT use to install fixtures.

DO NOT use to install button back or lug back tiles or tiles larger than 12" x 12".

NOTE: Not for exterior use

**CLEANING**

Cleaning may be accomplished with water immediately after use.

**SAFETY**

Avoid contact with eyes or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush immediately with running water for at least 15 minutes. Consult a physician immediately. Do not take internally. Be sure to provide adequate ventilation in enclosed areas. Use of an approved respirator is recommended.

**WARNING**

Omega Products International, Inc., as a blender of processed material in the State of California, is required by Proposition 65 to warn that one or more of the components contained in this product, could contain chemicals known to the State of California, to cause cancer, birth defects or other reproductive harm. The State of California (Proposition 65) requires this warning in the absence of definitive testing to prove that the defined risks do not exist. We believe this product complies with all other applicable state and federal laws and regulations governing manufacturing, distribution and intended use. User is solely responsible for the legal disposal of this container and / or its contents.

**KEEP OUT OF REACH OF CHILDREN****DISCLAIMER**

Omega Products International, Inc. [Manufacturer] MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE PRODUCT SOLD HEREIN. The recommendations, suggestions, statements and technical data are based on the best knowledge available to Manufacturer and are given for informational purposes ONLY and without any responsibility for their use. It is expressly understood and agreed, as a condition of the use of this product, that the buyer's sole and exclusive remedy for any claimed defective product against Manufacturer shall be the replacement of products actually proven to be defective. Handling and use of the products are beyond the control of Manufacturer; therefore, no warranty is made, expressed or implied, as to the results obtained from the use of the product or against any claims for infringement of patents resulting from use of the product. Under no circumstance shall Manufacturer be liable for incidental or consequential damages arising out of the use or the improper application of the product. Before applying the product, the user shall determine the suitability of the product for his/her independent use, assuming all risks and liability whatsoever in connection therewith. This writing constitutes a complete and exclusive statement of the understanding between Manufacturer and Buyer.

**CLAIMS**

Any Claimant shall notify Manufacturer immediately in writing of any alleged defect in the material. Claimant will provide Manufacturer with a reasonable and exclusive opportunity to investigate and test for the alleged defect. For any claim that is not valid Claimant agrees to pay Omega's reasonable charges, including travel and labor associated with investigation of such claim.

**TECHNICAL ASSISTANCE**

Technical assistance and information is available by calling Omega Products International, Inc. at (800) 600-6634 or FAX (951) 520-2594 or by e-mail at "info@omega-products.com".

**WARRANTY**

The following is made in lieu of all expressed and implied rights, warranties and conditions, statutory or otherwise. The Manufacturer's only obligation shall be to replace such quantity of products proven to be defective within one year following the date of manufacture, provided that the alleged defective product is returned prepaid to the Manufacturer's plant and is accompanied with proof of purchase and batch number.

Manufactured by



The Professional's Choice

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