



# Self-Leveling Underlayment 20 (SL20)

From 1/2" - 1 1/2"

TILE & STONE INSTALLATION PRODUCTS

## DESCRIPTION

Sienna Self-Leveling Underlayment 20 (SL20) is a portland cement based, rapid setting mortar designed to create a smooth, level surface prior to the application of a variety of floor coverings. It is designed for fast leveling of floors from 1/2"-1 1/2" with minimum time and labor. Surfaces can be walked on in 2 to 4 hours and the floor coverings can be installed within 12 to 24 hours. Sienna Self-Leveling Primer should be used prior to using SL20.

## BASIC USES

Sienna Self-Leveling Underlayment 20 (SL20) can be used over concrete, plywood, terrazzo, quarry and tile in commercial and residential projects. Once the Sienna SL20 has cured, tile, stone, carpeting, marble, resilient floor, wood, parquet and other approved floor covering may be applied.

## 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

## SURFACE PREPARATION

All surfaces to receive SL20 application must first be primed with Sienna Self-Leveling Primer. Refer to the Sienna Self-Leveling Primer data sheet for additional information on surface preparation. Substrate deflection should not exceed 1/360. Some substrates, such as plywood, may require the use of lath.

## CONTROL JOINTS

Never apply Sienna Self-Leveling Underlayment 20 (SL20) over any expansion or control joints. These joints must continue through the Sienna Self-Leveling Underlayment 20 and subsequent tile. For more information see TCNA (Tile Council of North America) Handbook and EJ-171.

## MIXING

Mix a 50 lb. sack of Sienna Self-Leveling Underlayment 20 (SL20) with 1.3 gallons of clean, potable water. Water should be cool in temperature. Do Not use hot or warm water. Potable (water) means it is clean, clear liquid. Put water in the mixing drum first and then add dry powder while mixing with a 1/2" electric drill with a minimum of 650 rpm. Mix the material thoroughly for approximately 2 to 3 minutes to obtain a lump free consistency. Do Not add additional water.

## APPLICATION

Sienna Self-Leveling Underlayment 20 (SL20) has a flow time of 10 minutes. Pour the SL20 on the desired area and finish by using a spreader. Spiked shoes with non-metallic cleats should be used if it is necessary to avoid leaving marks in underlayment. Sienna Self-Leveling Underlayment 20 should NOT be applied over substrates that are below 40°F (4°C) or above 90°F (32°C). Avoid freezing until the material is dry.

## MATERIAL CALCULATOR

Visit the Sienna web site at [www.SiennaProducts.com](http://www.SiennaProducts.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.

## CURING

Surfaces can be walked on in 2 to 4 hours and the floor covering can be installed within 12 to 24 hours. Curing time may vary due to porosity of substrate, ambient temperature and humidity. Bond, tensile and shear strengths will increase during the first 28 days.

## PACKAGING

50 lb (22.70 kg) bags.

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## TECHNICAL DATA

|                                 |                  |
|---------------------------------|------------------|
| Flow Time @ 70°F (21°C)         | 10 minutes       |
| Working Time @ 70°F (21°C)      | 20 to 25 minutes |
| Initial Set @ 70° F (21°C)      | 45 minutes       |
| Final Set @ 70° F (21°C)        | 60 Minutes       |
| Compressive Strength ASTM C 109 |                  |
| 7 Days                          | 2725 psi         |
| 28 Days                         | 4050 psi         |

|                                |          |
|--------------------------------|----------|
| Flexural Strength (ASTM C 348) | 1008 psi |
|--------------------------------|----------|

|                               |         |
|-------------------------------|---------|
| Tensile Strength (ASTM C 190) | 480 psi |
|-------------------------------|---------|

|                                     |        |
|-------------------------------------|--------|
| Linear Shrinkage ASTM C 531 28 Days | 0.043% |
|-------------------------------------|--------|

## COVERAGE

|                  |  |
|------------------|--|
| Thickness 1/2"   | 15 ft <sup>2</sup> (1.4 m <sup>2</sup> ) |
| Thickness 1 1/2" | 5 ft <sup>2</sup> (0.5 m <sup>2</sup> )  |

## LIMITATIONS

DO NOT apply Self-Leveling Underlayment directly over particle board, paints, gypsum mortar beds, vinyl covered wall board, metal, glass, plastic or any dimensionally unstable substrate. Siena Self-Leveling Underlayment is for interior use only and shall not be applied over any surface unless it has been primed with Self-Leveling Primer.

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

## 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.

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1681 CALIFORNIA AVE., CORONA, CA 92881  
800.600.6634 • FAX: 951.520.2594 • SIENAPRODUCTS.COM