



Non-Sanded Grout NS200

TILE & STONE INSTALLATION PRODUCTS

DESCRIPTION

Sienna Non-Sanded Grout NS200 is a polymer-enhanced premium grout manufactured with a mixture of portland cement, graded aggregates and other proprietary additives to produce a high quality grout that requires only the addition of water. Sienna Non-Sanded Grout NS200 is mildew resistant, efflorescence resistant, available in 36 premium colors and complies with the requirements of ANSI A118.6.

BASIC USES

Sienna Non-Sanded Grout NS200 is used for grouting tile joints of 1/16" to 1/8" wide for interior and exterior applications of most tiles and stones. Sienna Non-Sanded Grout NS200 can be used on floors and walls of residential and commercial projects. Sienna Admix AX100 is specially formulated to be used in combination with Sienna Grouts to increase water retention, impart greater flexibility, improve bond strength and surface appearance.

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

RECOMMENDED SUBSTRATES

In general, tiles of the following materials can be grouted with Sienna Non-Sanded Grout NS200: Stone, slate, granite, stone agglomerates, ceramic, quarry, pavers, porcelain, glass and clay.

SURFACE PREPARATION

1. Verify that all tiles are firmly attached and the mortar is dry.
2. All joints to receive application must be clean and free of debris, dirt, dust, efflorescence, grease, oils, curing agents and cleaning solutions.
3. Ensure that all spacers are removed.
4. Remove excess mortar from the joints until at least 2/3 of the tile depth is free from mortar.
5. Porous tiles and stone may require sealing to avoid staining from the grout. Consult the tile manufacturer's recommendations.

NOTE: Be aware that some tile and stone can be easily stained when a color grout is used. See the tile manufacturer's recommendation for suitable grout to use.

CONTROL JOINTS

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

MIXING

1. Dry blend the material to ensure a good dispersion of the pigments.
2. In a clean pail add approximately 1.6 quarts (1.5 L) of potable water and gradually add one 10 lb container of Sienna Non-Sanded Grout NS200 while mixing. Potable (water) means it is clean, clear liquid. Sienna Admix AX100 can be used instead of the water when additional strength and flexibility is needed. Water or admix should be cool in temperature. Do Not use hot or warm water or admix.
3. Use a mixer of less than 300 rpm to avoid entrapping too much air.
4. Mix the material thoroughly for 5 minutes to a smooth and homogeneous consistency and let it slake (stop mixing) for 10 minutes and then break the set (remix).
5. Do Not add additional water, admix or powder after slake period. During the application, occasionally stir the mixture to help maintain workability.

APPLICATION

1. Moisten porous or absorptive tiles with a wet sponge to ease the application, but do not leave water standing in the joints.
2. Using a rubber float, fill the joints completely with the grout in a diagonal direction to the joints.
3. Apply material as needed to cover all voids and gaps and to ensure that the material is well compacted.
4. Remove excess grout also in a diagonal direction.
5. Make sure that the grout is flush with the tiles.
6. Allow the grout to firm up in the joints for approximately 30 minutes.
7. Dampen a grout sponge in a pail of clean water and wring excess water.
8. Move the sponge over the surface in a diagonal direction to the joints and smooth the grout until it levels with the tiles.
9. Clean grout from sponge in clean water. Repeat process as needed.
10. Avoid using too much water because discoloration may occur.
11. Let the grout dry for one hour then clean the tile surface from any grout residue with a dry terrycloth or towel.

MATERIAL CALCULATOR

Visit the Sienna web site at 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

1. Cure the freshly applied material for at least 72 hours.
2. Maintain humidity by covering the tiles with natural kraft paper slightly moistened.
3. Re-moisten the paper as necessary with a water mist but do not allow water to stand.
4. During this curing period, no traffic, vibrations or impacts should be allowed.
5. Curing time may vary due to porosity of substrate, ambient temperatures and humidity.

SEALING

Sealing grout is recommended. Wait at least 21 days of curing before sealing the grout. Follow sealer manufacturer's recommendations for all sealer installs.

PACKAGING

This product is packaged in a one gallon (3.8 L) pail.

LIMITATIONS

DO NOT apply grout at temperatures below 50°F (10°C). Avoid freezing until the material is dry.
DO NOT use for installations that require a high resistant grout.
DO NOT use acid cleaners over colored grouts, unglazed tiles, natural stone or marble.
DO NOT use newspaper, polyethylene film or other materials in the curing process.
DO NOT use to grout joints of more than 1/8" wide.
DO NOT use where chemical-resistant grout is required.
DO NOT apply grout over any expansion or control joint. For more information see TCNA (Tile Council of North America) Handbook and EJ-171.

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TECHNICAL DATA

Linear Shrinkage	
1 Days	0.03%
7 Days	0.09%
Water Absorption	
Immersion to Dry	15%
Compressive Strength	
28 Days	>3,000 psi
Tensile Strength	
7 Days	>410 psi
28 Days	>400 psi
Pot Life at 73°F (23°C)	
	1 Hour

COVERAGE

Actual coverage may vary according to job conditions. The following information should be used as a guideline only. Approximate Coverage in ft² per lb or m² per kg. For additional grout coverage information, please refer to the Siena web site at www.SienaProducts.com and click on "Materials Calculator."

TILE SIZE	JOINT WIDTH					
	1/16"(1.6mm)		3/32"(2.4mm)		1/8"(3.2mm)	
	ft ² /lb	m ² /kg	ft ² /lb	m ² /kg	ft ² /lb	m ² /kg
1"x1"x1/4" 25x25x6mm	5	1.02	3.3	0.68	2.5	0.51
4"x4"x1/4" 100x100x6mm	20	4.09	13.3	2.73	10	2.05
8"x8"x1/4" 200x200x6mm	40	8.18	26.7	5.46	20	4.09
12"x12"x3/8" 300x300x9mm	40	8.18	26.7	5.46	20	4.09
16"x16"x3/8" 400x400x9mm	53.3	10.91	35.6	7.27	26.7	5.46
18"x18"x1/2" 450x450x12mm	45	9.21	30	6.14	22.5	4.6

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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