



# Non-Sanded Grout NS200

GROUT

## PACKAGING

10 lb (4.5 kg) Bag

## STORAGE

Store in a cool, dry location at a temperature between 40°F (4°C) and 90°F (32°C). Do not store in direct contact with the ground or concrete. Store out of direct sunlight and protect from weather and other damage

## DRYING & CURING

Allow freshly applied mortar to dry at least 24 hours before grouting or light foot traffic. Grout drying time may vary due to porosity of substrate and tile, climate, job conditions and should not take more than 24 hour at an ambient and surface temperature of 70°F (21°C) and 55% humidity. Damp curing is highly recommended for exterior installations, hot, dry and windy conditions. See Application and Limitations sections for more details. When used to install in an area that will be continually wet (pools, fountains) allow complete installation to dry a minimum of 14 days before exposure to water. Material is fully cured in 28 days.

## SEALING

Sealing grout is recommended. Wait at least 14 days of curing before sealing the grout. Follow sealer manufacturer's recommendations for all sealer installs.

## MATERIAL CALCULATOR

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



Sienna Non-Sanded Grout NS200 is a polymer-enhanced premium grout manufactured with a mixture of portland cement, very fine 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.

FEATURES	BENEFITS
Polymer-Enhanced	Resists Mildew & Fungus
36 Premium Colors	For Wall & Floor Joints Under 1/8"
Meets ANSI A118.6	For Residential & Commercial

## BASIC USES

Sienna Non-Sanded Grout NS200 is used for grouting tile joints under 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. For grout joints that are 1/8" to 1/2" use Sienna Sanded Grout GS300.

## RECOMMENDED SUBSTRATES

In general, tiles of the following materials can be grouted with Sienna Non-Sanded Grout NS200: Porcelain, stone, ceramic, mosaic, glass, slate, granite, quarry, clay and stone agglomerates, for all joints that are under 1/8" wide.

## SURFACE PREPARATION

Verify that all tiles are firmly attached and the mortar is dry. All joints to receive application must be clean and free of debris, dirt, dust, efflorescence, grease, oils, curing agents, and cleaning solutions. Ensure that all spacers are removed. Remove excess mortar from the joints until at least 2/3 of the tile depth is free from mortar. Porous tile and stone may require sealing to avoid staining when a color grout is used. Some tile and stone may be easily scratched during the grouting process. See tile and stone manufacturer's recommendation regarding staining, scratching and installation guidelines. Surface temperature must be within 45°F (7.2°C) and 75°F (23.9°C). For complete installation methods see the TCNA (Tile Council of North America) Handbook.

## MIXING

Dry blend the material to ensure a good dispersion of the pigments. In a clean pail gradually add one 10 lb bag of Sienna Non-Sanded Grout NS200 to approximately 1.6 quarts (1.5L) of potable water or Sienna Admix AX100. Water or admix must be cool in temperature, clean and clear. Do Not use hot or warm water or admix. Mix material thoroughly to a smooth consistency and let it slake (stop mixing) for 10 minutes and then break the set by remixing. Do Not add additional water, admix or powder after slake period. During application, occasionally stir the mixture to help maintain workability.



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## APPLICATION

Moisten porous or absorptive tiles with a wet sponge to ease the application, but do not leave water standing in the joints. Using a rubber float, fill the joints completely with the grout in a diagonal direction to the joints. Apply material as needed to cover all voids and gaps and to ensure that the material is well compacted. Remove excess grout also in a diagonal direction. Make sure that the grout is flush with the tiles. Allow the grout to firm up in the joints for approximately 30 minutes. Dampen a grout sponge in a pail of clean water and wring excess water. Move the sponge over the surface in a diagonal direction to the joints and smooth the grout until it levels with the tiles. Clean grout from sponge in clean water. Repeat process as needed. Avoid using too much water because discoloration may occur. Let the grout dry for 30 - 60 minutes then clean the tile surface from any grout residue with a dry terrycloth or towel. When temperatures are above 75°F (23.9°C) Do Not spread more grout than can be cleaned within 30 minutes of grout firming. DO NOT allow grout to flash dry during hot or windy conditions. Proper drying, curing and grout hardness is affected by surface temperatures and humidity. Damp curing is highly recommended for all exterior installations and any area where conditions may cause flash drying from heat, wind or fans. Damp curing is accomplished by covering the freshly applied grout and tile surface with natural kraft paper, and misting periodically with clean cool water to creating a moist atmosphere for 72 hours. Do Not use newspaper, plywood, poly film or anything other than natural kraft paper to damp cure freshly applied grout.

## CLEANING

Cleaning of excess material not in tile joints may be accomplished with water immediately after use.

## LIMITATIONS

DO NOT apply grout at surface temperatures that are below 45°F (7.2°C) or above 75°F (23.9°C). DO NOT allow grout to flash dry during hot or windy conditions and exterior installations. Damp Curing for 72 hours is highly recommended for all exterior installations and any area where conditions may cause flash drying from heat, wind or fans. For full Damp Curing instructions see Applications section above. 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 that are 1/8" or greater. For grout joints that are 1/8" to 1/2" use Siena Sanded Grout GS300. DO NOT use where chemical-resistant grout is required. For these type of installations, Siena Epoxy Grout may be used (see specifications to determine use). DO NOT apply grout over any expansion or control joint. For more information see TCNA (Tile Council of North America) Handbook and EJ-171.

## TECHNICAL ASSISTANCE

Technical information is available on our web site at: [SienaProducts.com](http://SienaProducts.com), by calling Omega Products International at: 800.600.6634, or by email at: [info@omega-products.com](mailto:info@omega-products.com)

## TECHNICAL DATA

Linear Shrinkage	
1 Days	0.03%
7 Days	0.09%
Water Absorption	15%
Immersion to Dry	18%
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 ft<sup>2</sup> per 10 lb (4.5 kg) bag. For additional grout coverage information, please refer to the Siena web site at [SienaProducts.com](http://SienaProducts.com) and click on "Materials Calculator."

TILE SIZE	JOINT WIDTH					
	1/16"(1.6mm)		3/32"(2.4mm)		1/8"(3.2mm)	
	ft <sup>2</sup> /bag	m <sup>2</sup> /bag	ft <sup>2</sup> /bag	m <sup>2</sup> /bag	ft <sup>2</sup> /bag	m <sup>2</sup> /bag
1"x1"x1/4" 25x25x6mm	50	4.6	30.3	2.8	20.5	1.9
4"x4"x1/4" 100x100x6mm	200	18.6	130.3	12.1	100	9.3
8"x8"x1/4" 200x200x6mm	400	37.2	260.7	24.2	200	18.6
12"x12"x3/8" 300x300x9mm	400	37.2	260.7	24.2	200	18.6
16"x16"x3/8" 400x400x9mm	530.3	49.3	350.6	30.6	260.7	24.2
18"x18"x1/2" 450x450x12mm	450	41.8	300	27.9	220.5	20.5

*Note: Values listed above are typical results for tests indicated and should not be considered specifications. Actual product performance will depend on job conditions, temperature, humidity and application methods.*

## 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, 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 its contents.

## KEEP OUT OF REACH OF CHILDREN

## Disclaimer

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