



Siena Precision Grout SPG

HIGH PERFORMANCE GROUT

PACKAGING

12.5lb (5.7kg) Plastic 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 4 hours at an ambient and surface temperature of 70°F (21°C) and 55% humidity. Damp curing is recommended for installations in 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 7-10 days before exposure to water. Material is fully cured in 28 days.

SEALING

For optimum stain protection, wait at least 7 - 10 days before sealing. Use a pH-neutral or water based sealer. Follow manufacturer's installation instructions.

MATERIAL CALCULATOR

Visit SienaProducts.com, 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.



Siena Precision Grout SPG is a high performance, easy to use, professional grout, made from calcium aluminate cement. SPG has an extended bucket life and can be installed up to one hour after mixing. It creates extremely durable grout joints with high early strength, allowing for foot traffic in as little as four hours. Siena Precision Grout SPG is extremely durable, offering enhanced resistance to staining, shrinking, cracking, and overall wear. Color consistent technology minimizes shading, mottling and efflorescence. It is highly mold and mildew resistant, even in harsh and damp conditions. SPG is extremely contractor friendly; easy to use and easy to clean, even on textured and hard to clean tiles. Siena Precision Grout SPG is used in commercial and residential, interior and exterior installations, and exceeds ANSI A118.7 & A118.6 specification.

FEATURES	BENEFITS
Exceptional Performance	High Early Strength, Foot Traffic in 4 Hours After Install
Long Bucket Life	Useable for Up to One Hour After Mixing
Consistent Color	Minimizes Color Mottling, Shading and Efflorescence
Durability, High Strength	Enhanced Resistance to Stains, Shrinkage, Cracking, and Overall Wear
Mold and Mildew Resistant	Highly Mold and Mildew Resistant, Even in Harsh Damp Conditions
Easy to Use, Easy to Clean	Smooth Consistency, Easily to Clean Even on Textured Tiles
Exceeds ANSI A118.7 & A118.6	Use for Commercial & Residential, Interior and Exterior Installations

BASIC USES

Siena Precision Grout SPG is a high performance, stain and mildew resistant tile grout used for grouting tile joints up to 1/2" wide in interior and exterior applications of most tiles and stones. Siena Precision Grout SPG can be used on floors and walls of residential and commercial projects.

RECOMMENDED SUBSTRATES

In general, tiles of the following materials can be grouted with Siena Precision Grout SPG: porcelain, stone, ceramic, mosaic, glass, slate, granite, quarry, clay and stone agglomerates, for all joints up to 1/2" wide. 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 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. Surface temperature must be within 55°F (12.8°C) and 85°F (29.4°C). For complete installation methods see the TCNA (Tile Council of North America) Handbook.

MIXING

Gradually add one 12.5lb (5.7kg) bag of SPG to 1.75 - 2.1 pt. (0.82 - 1.0L) of cool clean potable water. For larger jobs requiring more than a single bag of SPG it is recommended to dry mix the bags together to ensure color uniformity prior to adding water. Mix to a smooth consistency using trowel or low speed mixer. Let the material slake for 5 minutes and remix. Only mix enough SPG that can be applied within 30 - 45 minutes. Do Not retemper Siena Precision Grout using additional water as this will weaken the grout and may cause surface pinholes and color mottling.



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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 1 - 1.5 hours then clean the tile surface from any grout residue with a dry terrycloth or towel. Grout will set up within 2 hours and can be walked on after 4 hours. When temperatures are above 85°F (29.4°C) Do Not spread more grout than can be cleaned within 30 minutes. 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 85°F (29.4°C). Do Not allow grout to flash dry during hot, dry or windy conditions for interior or 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 and keep surface temperature above 50°F (10°C) for the first 72 hours. 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 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. Do Not use on areas where movement will occur, such as: movement joints, change of plane (wall meets floor), around drains. For these areas use Siena Caulk CX300.

TECHNICAL ASSISTANCE

Technical information is available on our website at: SienaProducts.com, by calling Omega Products International at: 800.600.6634, or by email at: info@omega-products.com

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.

Disclaimer

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TECHNICAL DATA

Property	ANSI Test Method	Requirements	Results
Bucket Life			60-90 min
Shrinkage	ANSI 118.7	Sec. 3.3 1 Day	< 0.10% 0.01%
		Sec. 3.3 7 Days	< 0.20% 0.02%
Water Absorption	ANSI 118.7	Sec. 3.4 28 Days	< 5% weight increase from dry 24hr immersion 1.50%
Compressive Strength	ANSI 118.7	Sec. 3.5 28 Days	> 3000 psi 5000 psi
Tensile Strength	ANSI 118.7	Sec. 3.5 7 Day	> 400psi 470 psi
		Sec. 3.5 28 Days	> 500psi 508 psi
Flexural Strength	ANSI 118.7	Sec. 3.7 7 days	> 1000psi 1725 psi

COVERAGE

Actual coverage may vary according to job conditions. The following information should be used as a guideline only. Approximate Coverage in ft² per 12.5 lb (5.7 kg) bag. For additional grout coverage information, please refer to the Siena website at SienaProducts.com and click on "Materials Calculator."

TILE SIZE	JOINT WIDTH									
	1/8" (.32cm)		3/16" (.48cm)		1/4" (.64cm)		3/8" (.95cm)		1/2" (1.27cm)	
	ft ² / bag	m ² / bag	ft ² / bag	m ² / bag	ft ² / bag	m ² / bag	ft ² / bag	m ² / bag	ft ² / bag	m ² / bag
1" x 1" x 1/4" (2.5x2.5x.64 cm)	24	3	15	2	12	2	8	1	7	1
4" x 4" x 1/4" (10.2x10.2x.64 cm)	90	9	60	6	45	5	30	3	23	3
8" x 8" x 1/4" (20.3x20.3x.64 cm)	180	17	120	12	90	9	60	6	45	5
12" x 12" x 3/8" (30.5x30.5x.95 cm)	180	17	120	12	90	9	60	6	45	5
16" x 16" x 3/8" (40.6x40.6x.95 cm)	238	23	160	15	120	12	80	8	60	6
18" x 18" x 3/8" (45.7x45.7x.95 cm)	203	19	135	13	102	10	68	7	52	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.

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

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