

# Salttillo Grout Mix

## 1 Product Name

Salttillo Grout Mix

## 2 Manufacturer

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## 3 Product Description

A pre-blended mixture of Portland cement, silica sand and pigments which eliminates the measuring and guesswork of site mixing or combining additional sand to conventional Portland cement grouts to compensate for wide grout joints used when setting terra-cotta, Salttillo or quarry tile.

### Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, mosaic, quarry, cement body tile
- Impervious porcelain and glass tile
- Brick and stone veneer
- Cement-based precast terrazzo
- Natural stone tile

### Composition of Product

Salttillo Grout is a dry, Portland cement based grout with silica sand, inorganic aggregates and chemicals.

### Benefits of Product in the Installation

- For joints from 1/2" - 1-1/4" (13-32 mm) wide
- Use with Salttillo, quarry and clay pavers
- Pre-blended mix for wide joints

### Limitations to the Product

- Should not be installed when ambient surface temperature is lower than 50°F (10°C) or higher than 100°F (38°C).
- Some ceramic tile, marble or stone can be scratched, stained or damaged by sanded or pigmented grout. White grout is generally best for light-colored marble or granite. Test a small area prior to use. [Polyblend® Non-Sanded Grout](#) may be appropriate for tile not suitable for sanded grout.
- Tile with high absorption, surface porosity or rough, textured surfaces and certain types of porcelain may require sealing prior to grouting to prevent staining. Use [Tilelab® SurfaceGard® Sealer](#) to prevent grout staining, when required.
- Color variation can occur due to tile type, tile porosity, jobsite conditions, application and cleaning techniques. Variation can be minimized by following directions and using as little water as possible for cleanup.
- Chemicals in salt-based pool filtration systems can cause a reaction with blue, green and red grouts. Contact Technical Services for recommendations.



### Packaging

- 50 lb (22.68 kg) bag

## 4 Technical Data

### Applicable Standards

American National Standards Institute (ANSI) ANSI A108.10 and A118.6 of the American National Standards for the Installation of Ceramic Tile ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens)
- ASTM C531 Standard Test Method for Linear Shrinkage
- ASTM C580 Standard Test method for Flexural Strength
- Resilient Floor Covering Institute (RFCI) "Recommended Work Practices for Removal of Resilient Floor Coverings".
- Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

### Approvals

Salttillo Grout meets or exceeds ANSI A118.6 standards.

### Technical Chart

Property	Test Method	Requirement	Typical Results
Cement Grouts		Sanded	
Standard			
Pot Life			1-2 Hours
Shrinkage	A118.6 Section 4.3	< 0.20%	<0.8%
Water Absorption	A118.6 Section 4.4	< 10%	<8%
28 Day Compressive Strength	A118.6 Section 4.5	> 3000 psi	4650 psi (327 kg/cm sq.)
Tensile Strength	A118.6 Section 4.6	> 300 psi	423 psi (29.7 kg/cm sq.)
Flexural Strength	A118.6 Section 4.7	> 500 psi	990 psi (69.6 kg/cm sq.)



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## Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute to LEED® certification.

## 5 Instructions

### General Surface Prep

Tile or stone must be firmly bonded to a sound substrate, and setting material must be cured a minimum 24-48 hours before cement grout is applied, unless rapid-setting mortars are used. See the corresponding data for the bonding mortars used in your application. Remove spacers and ensure that the grout joints are uniform in depth and width and free of loose debris, contaminants and excess mortar. Use TileLab® SurfaceGard® Sealer to seal tile or stone subject to staining.

Unglazed Mexican Salttillo pavers should have a grout release such as TileLab® SurfaceGard® Sealer or coating such as TileLab® Matte Sealer & Finish applied prior to grouting to minimize staining the surface of the tile. If tiles are to be colored with a stain, apply the colorant following manufacturer's directions, then coat with grout release after colorant has dried. Due to the porous nature of Salttillo pavers, several coats of grout release may be necessary.

### Mixing Ratios - powder to water

Mix 4 quarts (3.78 L) clean water to 50 lb (22.68 kg) bag.

### Mixing Procedures

Mix with a trowel or low speed mixer (less than 300 rpm) to achieve a smooth, lump-free consistency. Let the mixture stand (slake) for 10 minutes, and then remix and use. Periodically remix to keep the mixture workable, but do not add water, which can weaken the joint, cause color variation and possible cause shrinkage, cracks and pinholes. Discard grout when it becomes too stiff to work.

For increased strength, Thin-Set Mortar Admix can be substituted for half of the water requirement and is recommended when grouting over a plywood substrate or grouting porous-bodied Salttillo tile. Let stand 10 minutes, remix before use. Periodic mixing during application keeps the grout workable but do not add additional water or additive once mixed as this weakens the material. Consistency of mixing ratio between batches helps to maintain color shade uniformity. Discard grout when too stiff to work, about 2 hours.

### Application of Product

Installation must confirm to ANSI A108.10. Lightly dampen absorptive, highly porous tile with clean, cool water, but leave no standing water in the joints. Holding a rubber grout float at a 45° angle, completely fill the joints. Holding the edge of the float at a 90° angle, remove excess grout. Do not spread more grout than can be cleaned within 30 minutes of the grout firming and use as little water as possible for grout clean-up. Using a damp, small pore grout sponge in a circular motion, smooth and level joints and remove excess grout. Change the water and rinse the sponge frequently. Haze can be removed after 3 hours with cheesecloth or wrung-out sponge. If haze persists, the installation can be acid-washed after 72 hours with a suitable diluted acid.

### Curing of Product

Curing time is affected by ambient and surface temperatures and humidity. Use the following as a guideline. Periodically misting the installation with clean, cool water for 3 days is recommended.

## Cleaning of equipment

Clean tools and hands with water before the material dries.

## Health Precautions

This product contains Portland cement. Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. If eye contact occurs, flush with water for 15 minutes and consult a physician. Use with adequate ventilation; do not breathe dust and wear a NIOSH approved respirator. If ingested, do not induce vomiting; call a physician immediately.

## Conformance to Building Codes

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

## 6 Availability & Cost

Item Code	Size	Grout	Package
SLGXXX50	50 lb (22.68 kg)	48 colors available	Bag

## 7 Product Warranty

Custom® Building Products warrants to the original consumer purchaser that its product shall be free from defects in material and workmanship under normal and proper usage for a period of one year following the date of original purchase. Custom's® sole liability under this warranty shall be limited to the replacement of the product. Some states, countries or territories do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with Custom's® printed instructions. Custom® makes no other warranties either expressed or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state or from one country/territory to another. Click for details and complete [warranty information](#).

## 8 Product Maintenance

Clean with a neutral cleaner such as AquaMix AquaKleen or Tilelab Grout & Tile Cleaner

## 9 Technical Services Information

For technical assistance, contact Custom® Building Products.

## 10 Filing System

Additional product information is available from the manufacturer upon request.

## Related Products

Polyblend® Ceramic Tile Caulk

Commercial 100% Silicone Caulk

Thin-Set Mortar Admix

TileLab® SurfaceGard® Sealer



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**Coverage**

Coverage will vary depending on the tile size and joint width.

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER COVERAGE PER 22.68 KG)

Tile Size	Joint Width			
	1/2" (13 mm)	3/4" (19 mm)	1" (25 mm)	1-1/4" (32 mm)
8" x 8" x 3/4" (200 x 200 x 19 mm)	60 (5.6)	37 (3.4)	30 (2.8)	25 (2.3)
12" x 12" x 3/8" (300 x 300 x 9.5 mm)	84 (7.8)	55 (5.1)	42 (3.9)	35 (3.3)

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