Saltillo Grout Mix



1. Product Name

Saltillo Grout Mix

2. 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, Saltillo or quarry tile.

Key Features

- Use with quarry, Saltillo and other natural clay pavers
- Pre-blended mix for wide joints
- For joints from 1/2"- 1-1/4" (13-32 mm) wide
- Just add water

Composition of Product

Saltillo 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 Saltillo, quarry and clay pavers
- Pre-blended mix for wide joints

Limitations to the Product

- Should not be installed when ambient or surface temperature is lower than 50°F (10°C) or higher than 100°F (38°C).
- Some ceramic, glass, marble or stone tiles can be scratched or damaged by the silica aggregate filler. Perform a test on a small area prior to use. Polyblend® Non-Sanded Grout may be appropriate for joints up to 1/8" or for tile not suited for sanded grout.
- Tile or stone with high absorption, surfaces that are porous or rough, textured surfaces and some types of porcelain tile may require sealing prior to grouting to prevent possible staining. Use Tilelab® SurfaceGard® Sealer or Aqua Mix® Grout Release to prevent 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.
- Not for use in either industrial applications or in areas subjected to harsh or continuous chemicals, high heat or high-pressure cleaning. For heavy industrial tile installations, use CEG-IG 100% Solids Epoxy Grout.
- Chemicals in salt-based pool filtration systems can cause a reaction with blue, green and red grouts. Contact Technical Services for recommendations.
- Not for use in movement joints or changes of plane in the tile installation. In these areas, use an appropriate caulk or sealant such as Commercial 100% Silicone Caulk or Polyblend® Ceramic Tile Caulk.

Packaging

- 50 lb (22.68 kg) bag

3. 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

Technical Chart

Property	Test Method	Requirement	Typical Results
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.)

Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials - Adhesives & Sealants

Mixing Ratios

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

Mixing Procedures

When installing more than 1 container of grout at a time, blend dry powders prior to mixing with water. 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 grout, cause color variation

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and possible cause shrinkage, cracks and pinholes. Discard grout when it becomes too stiff to work.

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.

Exterior applications must be protected from rain, snow and other wet conditions for at least 7 days with temperature above 50° F (10° C). If inclement weather is expected, protect the work area with tenting at least 1 foot (30 cm) above the finished surface to allow air flow. Enclose and protect exterior installations and maintain >50° F (10° C) temperatures for at least 72 hours for proper cure.

Cleaning of Equipment

Clean tools and hands with water before the material dries.

Health Precautions

Contains Portland cement. Wear rubber gloves and eye protection. Product is alkaline on contact with water! Use paddle for mixing to avoid splashing into eyes or contact with skin. During mixing or applications, avoid contact with eyes. In case of such contact, flood eyes repeatedly with water and call physician immediately. Wash thoroughly after handling and before smoking or eating.

Conformance to Building Codes

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

4. Size & Availability

Item Code	Size	Grout	Package
SLGXXX50	50 lb (22.68 kg)	40 colors available	Bag

See our color card for truest color representation when selecting or specifying a grout color. Final installed shade may vary with the tile type, color and porosity as well as jobsite conditions and finishing techniques. For best results, perform a test on a small, inconspicuous area or create a sample board prior to installation.

5. 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. For details and complete warranty information, visit custombuildingproducts.com

6. Product Maintenance

Properly installed product requires no special maintenance. Keep the grout clean with TileLab® OneStep® Cleaner & Resealer. Seal grout joints with TileLab® SurfaceGard® Stone, Grout & Tile Sealer after grout has cured for 48-72 hours. For routine cleaning use TileLab® OneStep® Cleaner & Resealer.

7. Technical Services Information

For technical assistance, contact Custom® Building Products.

8. Filing System

Additional product information is available from the manufacturer upon request.

Related Products

Ceramic Tile Caulk
Commercial 100% Silicone Sealant
Thin-Set & Mortar Admix
TileLab® SurfaceGard® Sealer

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Coverage Chart

For 50 lb. bag of Saltillo Grout Mix in ft² (m²)

Tile Size	**Joint Width**			
Width x Length x Thickness	**1/2" (13 mm)**	**3/4" (19 mm)**	**1" (25 mm)**	**1-1/4" (32 mm)**
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	150 ft² (13.9 m²)	108 ft² (10 m²)	87 ft² (8.1 m²)	75 ft² (6.9 m²)
8" x 8" x 3/8" (15.2 x 15.2 x 1 cm)	128 ft² (11.9 m²)	90 ft² (8.4 m²)	72 ft² (6.7 m²)	61 ft² (5.6 m²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	185 ft² (17.2 m²)	128 ft² (11.9 m²)	100 ft² (9.3 m²)	83 ft² (7.7 m²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	241 ft² (22.4 m²)	166 ft² (15.4 m²)	128 ft² (11.9 m²)	106 ft² (9.8 m²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	270 ft² (25.1 m²)	185 ft² (17.2 m²)	142 ft² (13.2 m²)	117 ft² (10.9 m²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	298 ft² (27.7 m²)	204 ft² (18.9 m²)	156 ft² (14.5 m²)	128 ft² (11.9 m²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	355 ft² (33 m²)	241 ft² (22.4 m²)	185 ft² (17.2 m²)	151 ft² (14 m²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	151 ft² (14 m²)	105 ft² (9.8 m²)	83 ft² (7.7 m²)	69 ft² (6.4 m²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	241 ft² (22.4 m²)	166 ft² (15.4 m²)	128 ft² (11.9 m²)	105 ft² (9.8 m²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	160 ft² (14.9 m²)	112 ft² (10.4 m²)	87 ft² (8.1 m²)	73 ft² (6.8 m²)
9" x 36" x 3/8" (22.9 x 91.4 x 1 cm)	219 ft² (20.3 m²)	151 ft² (14 m²)	117 ft² (10.8 m²)	96 ft² (8.9 m²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	287 ft² (26.6 m²)	196 ft² (18.2 m²)	151 ft² (14 m²)	123 ft² (11.5 m²)

Chart for estimating purposes. Coverage may vary based on installation practices and jobsite conditions. For more tile and joint sizes, use the Material Calculator at CustomBuildingProducts.com or contact CUSTOM Technical Services at 800-282-8786.

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