

SALTILLO GROUT MIX

1. Product Name

Salttillo Grout Mix

2. Manufacturer

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3. Product Description

Salttillo Grout Mix is 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. Protected with MoldGard® Technology to resist mold and mildew growth.

Salttillo Grout can be used with the following tile types:

- For grouting Salttillo, terra cotta or quarry tile and other clay pavers.
- For grout joints from ½” – 1¼” (13 – 32 mm) wide
- For interior or exterior installations.

COMPOSITION & MATERIALS

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

SIZES

- 50 lb (22.68 kg) bag
- Color choices are: Natural Gray, Sahara Tan and Quarry Red Clay. 48 custom colors available; contact your local representative for details.

BENEFITS

- For joints from ½” – 1¼” (13 – 32 mm) wide
- Use with Salttillo, quarry and clay pavers
- Pre-blended mix for wide joints
- Protected by MoldGard® Technology to resist mold and mildew growth

LIMITATIONS

- Portland cement grout should not be installed when ambient surface temperature is below 50 degrees F (10 degrees C) or for exterior applications if rain is expected within 24 hours.
- Efflorescence, a crystalline deposit that sometimes appears on cement grout as a whitish powder or crust, can occur with any Portland cement based product. If it occurs, remove with TileLab® Sulfamic Acid Cleaner or Grout Haze Remover according to directions.
- Color variations can occur in any Portland cement

product, including grout, due to differing tile types, tile porosity, jobsite conditions or application/cleaning techniques. Color variations can be minimized by following directions and using as little water as possible for clean-up.

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
- 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 PROPERTIES

Property	Results
ANSI standard	A118.6
Pot life	1 – 2 hours
Initial set	4 hours
Final set	5 hours
Shrinkage 7 days	<0.08%
Water absorption After immersion After drying	8% 10%
Compressive strength	4650 psi (327 kg/cm ²)
Tensile strength 7 days 28 days	345 psi (24.3 kg/cm ²) 423 psi (29.7 kg/cm ²)
Flexural strength 7 days	990 psi (69.6 kg/cm ²)
Thermal shock	Pass

ENVIRONMENTAL CONSIDERATIONS

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices.

5. Installation

PREPARATORY WORK

Tile or must be firmly bonded to a sound substrate, and setting material must be cured a minimum 24 – 48 hours before grouting, 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. Unglazed Mexican Saltillo pavers should have a grout release such as TileLab® SurfaceGard® Penetrating 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 Saltillo pavers, several coats of grout release may be necessary.

To minimize color variation when using containers of the same color grout with different batch numbers, dry-blend the powder prior to mixing with water. Combine approximately 4 quarts (3.78 L) of cool clean water per 50 lb. bag (22.68 kg) of grout with a margin trowel or a low speed mixer (less than 300 rpm) to a lump free, paste-like, non-pourable consistency. 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 Saltillo tile. Let stand 10 minutes, re-mix 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.

METHODS

Application

Installation must conform to ANSI A108.10. Lightly dampen absorptive, highly porous tile with clean, cool water, but leave no standing water in the joints. Since Saltillo tile are highly porous, they require additional wetting of the joints to prevent excessive water loss from the grout. Holding a rubber grout float at a 45 degree angle, force grout diagonally into joints ensuring joints are completely filled. Remove excess grout using edge of float held at a 90 degree angle. Cleanup can begin when grout can be only slightly indented when pushed hard with your fingernail or about 10 – 20 minutes depending on type of tile and ambient temperature. Use as little water as possible for grout cleanup. Excess water will weaken the joint, cause variation in color and may cause shrinkage, cracks or pinholes. Smooth and level joints and remove excess grout from tile with a damp (not wet) small pore grout

sponge using a circular motion. Change water and rinse sponge frequently. Using clean water and sponge will enhance color uniformity. Wait 2 ours before removing haze from tile surface with a soft, dry cloth.

Curing

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

Clean tools and hands with water before the material dries.

PRECAUTIONS

This product 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 the skin. During mixing or applications, avoid contact with eyes. If eye contact occurs, flood eyes repeatedly with water and call physician immediately. Wash hands thoroughly after handling and before smoking or eating.

BUILDING CODES

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

6. Availability & Cost

Contact the manufacturer or visit the www.custombuildingproducts.com website for information about product cost and availability.

7. 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. Sole liability under this warranty shall be limited to the replacement of the product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply. This warranty will not extend to any product modified in any way or not used in accordance with the manufacturer's printed instructions. Custom Building Products makes no other warranties, either express or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

For details and complete warranty information, visit the Custom Building Products web-site: www.custombuildingproducts.com.

8. Maintenance

Properly installed product requires no special maintenance.

MoldGard® Technology provides high resistance to mold and mildew growth. However, mold grows in the presence of moisture and a food source like dirt, food

and soap scum that can accumulate on grout. Keep the grout clean with TileLab® OneStep® Cleaner & Resealer. Seal grout joints with TileLab SurfaceGard Penetrating Sealer after grout has cured for 48 – 72 hours. For routine cleaning use TileLab OneStep Cleaner & Resealer.

9. Technical Services

For technical assistance, contact Custom Building Products or visit the website: www.custombuildingproducts.com.

10. Filing Systems

Additional product information is available from the manufacturer upon request.

Coverage

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

Square foot coverage per 50 lb. bag	Joint Width			
Tile Size	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)