



Saltillo Tile Grout

GOOD	BETTER	BEST
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PRODUCT DESCRIPTION

A specially blended mix of sand and cement for grouting glazed or unglazed tiles with a high water absorption rate

USES

- For use with absorbent tile (usually irregular-shaped), such as terra cotta (Brazilian or Spanish) and Saltillo (Mexican), that have wide or deep grout joints 3/8" to 3/4" (10 mm to 19 mm) on both indoor and outdoor residential and commercial floors and walls

LIMITATIONS

- NA 4220 is a basic grouting compound. It should not be used to grout tile or stone with a low water absorption rate. Instead, use appropriate NAA grout (NA 4200 sanded or NA 4300 unsanded).
- For joints less than less than 3/8" (10 mm) wide, use an appropriate NAA grout (NA 4200 sanded or NA 4300 unsanded).
- Not recommended when a highly chemical-, impact- and stain-resistant grout is required or for industrial installations
- Do not use for applications subject to freeze/thaw conditions.
- Do not cover or bridge any expansion joint with mortar or grout. Provide for expansion and control joints where specified per TCA Handbook Detail EJ-171.

Note: Glazed, unglazed or polished tiles can be damaged when grouted with pigmented or sanded grout. Check tile manufacturer's literature and test grout on separate area for suitability.

SURFACE PREPARATION

- To prevent staining, some tiles with high water absorption such as Saltillo tiles should be sealed with an appropriate sealer before installation or grouting.
- Ensure tiles are firmly set and mortar is completely dry.
- Remove all spacers, pegs, etc.
- Grout joints and tile surface must be clean and free of standing water. Remove excess adhesive/mortar from joint so at least 2/3 of the joint depth is available.

MIXING

- Dry-blend entire contents of bag to avoid color variation in finished joint. If two or more bags are to be used, pre-blend bags together before mixing with water.
- Pour **4.5 to 5 U.S. qts. (4,26 to 4,73 L)** of clean water into a mixing container.
- Gradually add full bag of NA 4220 while slowly mixing.
- With low-speed mixer (about 300 rpm), mix thoroughly to a homogenous, smooth consistency.
- Let mixture sit ("slake") for about 10 minutes.
- Remix without adding more water or powder.
- Mix only as much material as can be used in 2 hours.

TECHNICAL QUICK REFERENCE

Meets or exceeds ANSI A118.6 requirements

Product characteristics at 73°F (23°C) and 50% relative humidity

Pot life	About 1 hour
Firm-up time (before first cleanup)	15 minutes
Initial set (before final cleanup)	1 hour
Final set (before light traffic and final haze wash)	16 to 24 hours
Color	Gray
Cleanability	With clean water while fresh
Shelf life	1 year when stored in original sealed container at room temperature in a dry, heated area. Protect from moisture, freezing and excessive heat.
Packaging	Bag: 50 lbs. (22,7 kg)

HEALTH AND SAFETY

Consult the Material Safety Data Sheet (MSDS) for safe-handling instructions.

APPROXIMATE COVERAGES* – lbs./sq.ft. (m²/kg)

Joint Width	Tile Size	NA 4220 Required
3/8" (10 mm)	12" x 12" x 3/4" (30 cm x 30 cm x 19 mm) thick	1 lb./sq. ft. (0,21 kg/m ²)
3/4" (19 mm)	12" x 12" x 3/4" (30 cm x 30 cm x 19 mm) thick	2 lbs./sq. ft. (0,41 kg/m ²)

* Coverages are for estimating purposes only. Actual coverages may vary according to substrate conditions and installation practices

CLEANING

- Wipe tile with clean, damp sponge (minimal water). Leave surface as clean as possible. Change rinse water frequently to reduce amount of grout haze on surface.
- Rebuff surface after 1 to 2 hours with a clean, dry cheesecloth or cotton cloth to remove any residue.
- Clean hands and tools with water while grout is fresh. Acid cleaning of grouted surfaces is not recommended. Efflorescence (a whitish powder) can occur in any Portland-cement product. NA 4220 is made with Portland cement; therefore, efflorescence could occur. If so, use industry-accepted cleaning methods.

EXPANSION AND CONTROL JOINTS

- Provide for expansion and movement joints per TCA Detail EJ171.
- Do not cover expansion or movement joints with tile, stone or NA 4220.
- When necessary, cut tiles along both edges of the expansion joints. Do not allow tile or mortar to overlap the joints.
- Protect the edges of the tilework with metal strips (edge metal) along both sides of the structural building expansion joints.
- Install the specified compressible bead and sealant in all expansion and control joints.

GROUTING

- Use at temperatures between 50°F and 100°F (10°C and 38°C). If temperatures are above 80°F (26°C), call Technical Services for advice.
- Force grout into joints with grout float.
- Ensure all joints are well-compacted as well as free of voids and gaps.

NA 4220

4. While grout still fresh, remove excess grout from tile surface by moving float diagonally to the joints.
5. Grout surface should be reasonably flush with tile edge.
6. With damp sponge, shape joints by lightly working joint in a circular pattern. Ensure sponge has minimal water. Excessive water during cleanup can discolor grout. Change rinse water frequently to reduce grout haze on surface.
7. Allow grout joints to firm up 15 minutes (time varies per temperature and humidity).

PROTECTION

- Provide dry, heated storage on site. Deliver materials at least 24 hours before tilework begins.
- Residential showers and tub surrounds: Wait 24 to 48 hours after grouting, 14 days for steam showers.
- Do not immerse installation in water for at least 21 days after completion.
- Floors: Protect floors from general foot traffic at least 16 to 24 hours after grouting, and heavy traffic for at least 7 days.
- Walls: Protect from impact, vibration and hammering on adjacent and opposite walls for 14 days after installation.
- Allow for extended cure and protection when temperature below 60°F (16°C) and/or humidity is higher than 70%.

MAINTENANCE

- Sealing grout is recommended (not mandatory). Follow sealer manufacturer's instructions.
- Grout must cure for at least 21 days before regular cleaning.
- To maintain a clean tile surface, use a neutral-pH cleaner for maintaining the floor, followed by a clean-water rinse. Do not use harsh chemicals to maintain tile surface. Before cleaning, consult cleaner's manufacturer for compatibility, use and application instructions. Remove or rinse fatty acid residue from the grout surface to avoid potential grout deterioration caused by prolonged exposure.

IMPORTANT NOTICE

Before using, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

For the most current product data, visit www.na-adhesives.com.



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PR 5785 4220D_K09vp
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