

WALL TILE THIN-SET MORTAR

- **Non-slip formula for wall tile installations**
- **Non-sagging**
- **Excellent wet tack**
- **Excellent for large modular porcelain and heavy stone tile**

PRICE



PRODUCT DESCRIPTION

Wall Tile Thin-Set Mortar is specifically formulated for vertical installations. Highly slip resistant, this non-sag formula holds tile in place immediately even when setting large porcelain and heavy stone tile. Securely bonds tile as much as 10.5 lbs. per square foot (52 kg per square M). Bonds exceptionally well to concrete, masonry and cement backerboards. Excellent for façade work. Mix with Thin-Set Mortar Admix for exterior use. Meets ANSI A118.1 without additives. Meets ANSI A118.4 when mixed with Thin-Set Mortar Admix. Protected by MoldGard® Technology to resist mold and mildew growth.

USES — TILE TYPES

- Vitreous, semi-vitreous or absorptive tile: ceramic, mosaics, quarry, cement
- Impervious porcelain tile
- Brick and mini-brick
- Precast terrazzo
- Natural stone tile

AREAS OF USE

When Mixed with Water – ANSI A118.1 Specifications:

- Interior walls
- Concrete, mortar beds, masonry, Portland cement plaster
- Gypsum wallboard (dry areas)
- Water-resistant wallboard
- WonderBoard®, cement backerboards
- Existing ceramic tile

Mix with Thin-Set Mortar Admix – ANSI A118.4

Specifications:

- Exterior walls
- Areas subject to freeze-thaw cycles

LIMITATIONS

- Not recommended for use on floors
- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- When setting moisture sensitive natural stone or agglomerates (check with manufacturer) use OptiCure™ Fortified Thin-Set Mortar or 100% Solids Epoxy Mortar.
- Do not use to install resin-backed marble.

SURFACE PREPARATION

General Surface Preparation:

Surfaces must be structurally sound, clean, dry and free from grease, oil, dirt, curing compounds, sealers, adhesives or any other contaminant that would prevent a good bond. Glossy or painted surfaces must be sanded, stripped and cleaned of waxes, dirt or any contaminants. Ambient temperature, surfaces and materials should be maintained at a temperature above 50° F (10° C) or below 100° F (38° C) for 72 hours.

Cementitious Surfaces:

Concrete or plaster must be fully cured and accept water penetration. Test by sprinkling water on various areas of the substrate. If water penetrates, then a good bond can be achieved. If water beads, surface contaminants are present and loss of adhesion may occur. The contaminants should be removed before installation. Concrete must be free of efflorescence and not subject to hydrostatic pressure.



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Existing Ceramic Tile:

For existing well-bonded ceramic tile, mechanically abrade with carborundum stone. Rinse and allow to dry. When sanding we recommend the use of an approved respirator.

MIXING

Thoroughly mix 2 gallons (7.55 L) clean, cool water and a 50 lb. (22.68 kg) bag of Wall Tile Thin-Set Mortar together to a smooth, paste-like consistency. For exterior applications and in areas exposed to freeze/thaw conditions, use undiluted Thin-Set Mortar Admix in place of water. Mix by hand or use a low speed (150 - 200 RPM) 1/2" (13 mm) drill. Let slake or stand 5 - 10 minutes, stir again and use. Stir occasionally to keep fluffy, but do not add more water. When properly mixed, trowel ridges will stand with no slump.

APPLICATION

INSTALLATION TO CONFORM TO ANSI A108.5. Use proper sized notch trowel to ensure 100% coverage under tiles. Using flat side of trowel, apply skim coat of mortar to the surface. Apply additional mortar with notched side of trowel held at a 45° angle to the surface, combing in one direction. Press tile firmly into place in a perpendicular motion across ridges, moving back and forth. Perpendicular pressing flattens ridges and closes valleys allowing maximum coverage. With some tile, back buttering is advisable. Adjust tile promptly and beat in with block and rubber mallet. Mortar can be applied up to 1/4" (6 mm) thick after beat in. For thicker applications, use a medium bed mortar. Periodically pull up a tile and check the back to ensure complete coverage with the adhesive. Do not spread more material than can be tiled in 15 minutes or while material has wet tack (sticky to the touch). If material has skinned over (not sticky), recomb with notch trowel. If too dry, remove and replace with fresh material. Material in bucket will remain workable in excess of 2 hours.

CURING

Allow to cure for a minimum of 24 hours before grouting or light traffic, depending upon temperature and humidity. Polyblend® Grout is recommended.

COVERAGE

90 - 100 sq. ft. per 50 lbs. (8.4 - 9.3 M²/22.68 kg) applied with a 1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) square-notch trowel.

CLEAN-UP

Clean with water before material dries.

STORAGE

Store in a cool dry area.

SAFETY

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. This product contains free silica. Do not breathe dust; wear NIOSH approved respirator.

ORDERING INFORMATION

ITEM CODE	SIZE	COLOR	PACKAGE
NSTSW50	50 lb. (22.68 kg)	White	Bag

TECHNICAL DATA

Exceeds ANSI A118.1 and A118.4 specifications.

	WALL TILE MORTAR MIXED WITH WATER	WALL TILE MORTAR MIXED WITH THIN-SET MORTAR ADMIX
Pot Life	4 hours	4 hours
Open Time	50 minutes	50 minutes
Adjustment Time	35 - 40 minutes	30 - 35 minutes
Shear Bond @ 28 Days:		
Bisque Tile	273 psi (19.2 kg/cm ²)	467 psi (32.8 kg/cm ²)
Porcelain Tile	230 psi (16.2 kg/cm ²)	380 psi (26.7 kg/cm ²)

WARRANTY

Custom's Standard Warranty applies. For complete information call 800-272-8786 or visit www.custombuildingproducts.com.

