

Multi-Bond Polymer-Modified Thin-Set Mortar

1 Product Name

Multi-Bond Polymer-Modified Thin-Set Mortar

2 Manufacturer

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3 Product Description

MULTI-BOND is a good bond strength, all-purpose bonding mortar for floor and wall tile projects. Fast setting, even in cool weather climates. Polymer-modified to ensure enhanced flexibility; smooth, easy troweling with consistent, long-lasting results. Meets ANSI A118.4 and A118.11 without the need for additives.

Uses

Bonding ceramic, mosaic and quarry tile, cement tile, precast terrazzo, natural stone and mini-brick. Bonds absorptive, semi-vitreous, vitreous and porcelain tile. Can be used in residential or commercial installations and requires no soaking of tiles. For interior and exterior floors and walls.

Suitable Substrates

Suitable backings, when properly prepared, are plumb and true masonry, concrete, gypsum wallboard (dry areas only), WonderBoard® Backerboard, cured Portland cement mortar beds, Jamo WATERPROOF WATERPROOFING MEMBRANE, brick, ceramic tile, marble, scarified vinyl or linoleum and exterior grade plywood (interior residential dry areas).

Limitations to the Product

MULTI-BOND must not be used over hardwood, Luan plywood, parquet, particle board; cushion, sponge-back or asbestos-containing vinyl flooring or their adhesive residue; metal, fiberglass, OSB panels, asphalt sheeting, vinyl covered wallboard, Masonite®, cement asbestos board, painted surfaces, glass or plastic. Improperly cured and wet plywood, particle board or strip wood surfaces are not considered suitable substrates. Use in temperature ranges above 40° F (4.5° C). Protect from freezing for the first 72 hours.

4 Technical Data

Technical Chart

Technical Data

	Typical Value
Open Time @ 70° F (21° C)	50 minutes
Adjustability @ 70° F (21° C)	30 minutes
Shear Bond Strength	
Non-Vitreous Tile: 7 day	424 psi (29.8 kg/cm ²)
28 day	508 psi (35.7 kg/cm ²)
Vitreous Tile: 7 day	210 psi (14.8 kg/cm ²)
28 day	252 psi (17.7 kg/cm ²)



5 Instructions

General Surface Prep

All surfaces must be structurally sound, clean, dry and free from contaminants that would prevent a good bond. Surfaces should accept water penetration in order to form a good bond. Concrete or plaster must be porous, fully cured and not subject to hydrostatic pressure. Floors of APA exterior grade plywood must be a minimum of 1" (2.5 cm) thick with deflection not to exceed 1/360 of the span. Existing ceramic tile must be well bonded and rough sanded.

Mixing Procedures

Thoroughly mix approximately 1-1/2 gallons (5.67 L) clean, cool water and 50 lbs. (22.68 kg) MULTI-BOND together to a smooth, paste-like consistency. Let slake or stand 5 – 10 minutes, stir again and use. Stir occasionally to keep fluffy, but do not retemper (add water). When properly mixed, troweled ridges will stand with little or no slump.

Application of Product

INSTALLATION TO CONFORM TO ANSI A108.5. Use proper sized notched trowel to ensure 100% coverage under tile. Apply mortar with flat side of trowel held at a 35° to 40° angle to force material into irregularities in the surface for maximum adhesion. Then apply bonding quantity of mortar with notched side of trowel. Press tile firmly into place with slight twisting motion. Adjust tile promptly and beat in with block and rubber mallet. With some tile, back buttering is advisable. Periodically pull up and check a recently placed tile to ensure that proper amount of mortar is being applied. 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 4 hours.

Curing of Product

Allow to cure for 18 – 24 hours before grouting or light traffic, depending upon temperature and humidity. Normal grouting should be done 24 hours after initial set to allow for proper curing.

Cleaning of equipment

Clean with water before material dries.



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Health Precautions

Contains Portland cement. Wear rubber gloves and eye protection. Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. If eye contact occurs, flush with water for 15 minutes. Consult a physician immediately. **WARNING! Do Not Breathe Dust!** This product contains Free Silica which may cause cancer or delayed lung injury (Silicosis). Wear approved respirator in dusty areas. See Material Safety Data Sheet for detailed information. **KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. STORE IN COOL, DRY AREA.**

6 Availability & Cost

Item Code	Color	Size	Package
127131	Grey	50 pounds (22.68 kg)	Bag
127001	White	50 pounds (22.68 kg)	Bag

7 Product Warranty

Manufacturer warrants that should this product prove to be defective material, it will replace the same or refund the purchase price of the goods. THIS WARRANTY IS IN PLACE OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED. WARRANTIES OF MERCHANTABILITY AND OF FITNESS ARE HEREBY DISCLAIMED. The suitability of a product for an intended use shall be solely up to the user. Manufacturer assumes no liability for consequential damages. Its liability shall in no event exceed the purchase price of the materials supplied by it. No person has the authority to change these items and there are no warranties except herein stated.

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8 Coverage

Approximately 80 – 100 sq. ft. per 50 lb. bag (74 – 9.3 M2 per 22.68 kg) when applied with a 1/4" x 1/4" X 1/4" (6 x 6 x 6 mm) square-notch trowel.