

# POLYMER-MODIFIED

# MULTI-FLOOR MORTAR



## PRODUCT DESCRIPTION:

Mortar formulated with Gray Portland cement, sand or carbonate modified with polymers. Designed to provide additional adhesive properties that allow installation over existing ceramic tile without the need to remove them.

## USES:

Specifically designed for bonding ceramic tiles such as venetian mosaic, porcelain tile, glass and ceramic coatings. Ideal for installations over ceramic tile interior and exterior, on concrete surfaces such as Portland cement plaster, concrete floor, cement board, gypsum wallboards and existing ceramic tile. Membranes: waterproof, anti-cracking, and acoustic membranes that meet ANSI A118.10, A118.12, and A118.13 specifications.

## LIMITATIONS:

- Do not use this product to install moisture-sensitive natural stones, such as pink, green, or black marble. For these materials, use an epoxy adhesive compliant with ANSI A118.3.
- Do not use for installations, wood, vinyl, gypsum, parquet, metal, paint, curing membranes, vinyl glue or with formic finish.
- It is not recommended to level the surface with the adhesive.
- This adhesive is not for final finishing.

## SURFACE PREPARATION:

Verify that the surface is level, structurally rigid, clean and free of deflection. The surface must be in good structural condition, clean, dry and free of dust, as well as oil, grease, cleaners, waxes, varnishes, soap, sealers and any other contaminant that could inhibit adhesion. The concrete surface should be free of chemical contaminants (salts and phosphates).

Concrete substrates must be fully cured and must accept water penetration. Test by sprinkling a little 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. Contaminants should be mechanically removed before installation. Concrete slabs should have a rough or brushed finish for better adhesion. Polished concrete floor or existing ceramic tile should be scarified and must be mechanically smoothed down.

The surface, ceramic tile, and adhesive mixture should be kept at an ambient temperature between 50°F and 100°F to prevent the adhesive from drying too quickly.

## EXPANSION JOINTS ACCORDING TO TCNA EJ171 METHOD:

Expansion joints, control joints and cold joints should never be bridged with setting material. They must be brought through the tile work and filled with an appropriate elastomeric sealant (sealant must comply the ASTM C920 standard). The architect or designer is responsible for indicating the specific location and details of movement joints in the project plans.

## MIXING:

Use approximately 8.9 qt. (8.4 L.) of clean, warm water per 50Lbs (22.68kg) bag of **Multi-Floor Mortar**. Mix the adhesive until a smooth paste is formed, and easy to distribute. Let it slake for 5 to 10 minutes and stir again. Never add more water.

## APPLICATION:

Installation must conform to ANSI A108.5: Use a properly - sized notch trowel to ensure proper coverage under tiles. Extend the mortar on the surface using the flat side of the trowel, at a 45° angle, then spread with the notch side, and spread the mortar horizontally or vertically, always moving in the same direction. Place the tiles on the mortar and press firmly, adjust with movements perpendicular to the line of the mortar, beat it in with a rubber mallet to set it. The final mortar thickness should be a minimum of 1/8" (3mm) and maximum of 3/8" (10mm).

Periodically pull up a tile and check the back to ensure proper adhesive coverage. For larger formats than 16 in. x 16 in., apply a coat of mortar on the back of the tile. Do not spread more mortar than can be used within a maximum period of 15 minutes. The mixture has a pot life of up to 2 hours in the container, weather conditions may affect shelf life and open time (of the extended adhesive).

If there are doubts regarding the use of **Multi-Floor Mortar** to install non-specified ceramic tile floors, or for installations on a specific type of surface, it is recommended to install a few pieces as a test and let them dry for 3 days to verify the adhesion. For any questions or comments, please contact an Interceramic advisor at your nearest Interceramic store.

 **INTERCERAMIC**<sup>®</sup>  
Materiales de instalación

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Utilizando adhesivos y boquillas Interceramic

## \*COVERAGE:

On average, a 50 Lbs. (22.68 kg) bag covers 55 sq. ft. (5.2 m<sup>2</sup>).

Size of notched trowel	Coverage m <sup>2</sup>	Coverage ft <sup>2</sup>
1/4" X 1/4" X 1/4" (6 x 6 x 6 mm)	8.2	88
1/4" X 3/8" X 1/4" (6 x 9.5 x 6 mm)	5.6	60
1/2" X 1/2" X 1/2" (12 x 12 x 12 mm)	4	43

\*Coverage rates are approximate and may vary depending on substrate leveling, tile type, and trowel size used.

## TECHNICAL INFORMATION:

PROPERTY	TEST METHOD	REQUIREMENT	RESULTS
Open Time 20 min at 28 days	A118.4 Sección 5.3	75 PSI (5.27 kg/cm <sup>2</sup> )	108 PSI (7.64 kg/cm <sup>2</sup> )
<b>Shear Bond Strength</b>			
Glazed Wall Tile	A118.1 Section 7.1.2	>300 PSI (21.10 kg/cm <sup>2</sup> )	301 PSI (21.20 kg/cm <sup>2</sup> )
Porcelain Mosaic	A118.1 Section 7.2.3	>200 PSI (14.06 kg/cm <sup>2</sup> )	298 PSI (21.00 kg/cm <sup>2</sup> )
Quarry Tile	A118.4 Section 7.3.2	>150 PSI (10.55 kg/cm <sup>2</sup> )	343 PSI (24.18 kg/cm <sup>2</sup> )

## SETTING:

Allow the installation to dry for 24 hours before grouting or opening to traffic; times may vary depending on humidity and temperature conditions.

## CLEANING:

Use a damp sponge to remove any residue from the surface before the material dries.

## CONFORMANCE TO BUILDING CODES:

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

Read carefully before use. **WEAR GLOVES AND FACE MASK, eyes and face protection. Contains Portland cement. CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. PROLONGED OR REPEATED INHALATION OF DUST MAY CAUSE LUNG DAMAGE OR CANCER. DO NOT BREATHE OR INGEST THE DUST.**

Wash hands after use. Avoid contact with eyes; if contact occurs, rinse thoroughly with water for several minutes. In case of inhalation, move the person to fresh air and keep them in a position that facilitates breathing. Seek medical attention immediately.

**KEEP OUT OF REACH OF CHILDREN.**

**WARNING:** Improper use of this material may cause installation failures and/or damage to ceramic pieces. Store Multi-Floor Mortar in a cool, dry place.

## TECHNICAL DATA:

Complies with ANSI A118.4 standard.

