



# MULTI-PURPOSE MASTIC

## Description

A premium water-based adhesive for installations that do not exceed ANSI 136.1 requirements. Uniquely formulated, MULTI-PURPOSE MASTIC is recommended for use with most types of ceramic, mosaic, quarry tile and pre-grouted tile panels. Install tiles with confidence over fully cured concrete, gypsum wallboard, cement backer units and exterior-grade plywood. White fast grab, non-slip formula allows vertical installation of large tiles.

## Where to Use\*

- Most interior installations on wall tiles up to 12" x 12" (305 x 305 mm) and floor tiles up to 6" x 6" (152 x 152 mm) in dry areas only.
- Installation interior installations of nonvitreous, semivitreous, vitreous and impervious mosaic tiles.

\* See *Limitations*

## Features and Benefits

- Low odor for interior installations
- Extended working Time
- Nonslip for vertical use

## Industry Standards & Approvals

Refer to the MSDS (Material Safety Data Sheet) for specific data related to VOC's, Health & Safety, and Handling of Product

**ANSI:** Exceeds ANSI A136.1

## Shelf Life and Application Properties\*

At 73° F (23° C) and 50% relative humidity

Shelf life.....1 year  
 Open time.....Approx 45 minutes  
 Initial Cure.....Approx 24 hours  
 Final Cure.....Approx 72 hours  
 Cleanabilty.....When fresh with water  
 Drying time.....Approx 24-48 hours

\* *Cold temperature or high humidity may alter these properties*

## Approximate Product Coverages\*

### 3.5 gallon pail

Square-notch, 1/4" X 1/4" X 1/4" (6mm x 6mm x 6mm)	75-90 sq. ft.
V-notch, 3/16" X 5/32" (4,5mm x 3,8mm)	55-65 sq. ft.

\* *Trowel dimensions are width/depth/space. Actual coverages will vary according to substrate profile and tile type*



### Limitations

- Do not install at temperatures below 40° F (4° C) or above 95° F (35° C).
- Do not use for moisture-sensitive stone (green marble, some limestones and granites), agglomerate tiles or resin-backed tiles. Instead use suitable epoxy or urethane adhesives. See respective data sheet for more information.
- Do not use over dimensionally unstable substrates such as hardwood flooring, oriented strand board (OSB), substrates containing asbestos, or metal. See suitable substrates below.
- Do not use on shower floors, steam rooms or areas subject to water submersion

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### Suitable Substrates

- Concrete (cured at least 28 days)
- Cement backer units (CBU) – see manufacturer's installation guidelines
- APA and COFI Group 1 exterior-grade plywood (interior, residential and light commercial in dry conditions only)
- Gypsum wallboard (walls only)
- Use MULTI-PURPOSE MASTIC in tile-over-tile applications according to TCA method TR 713, provided such surfaces are well-prepared and well-bonded to an approved non-deflecting substrate.

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### Substrate Preparation

- All substrates should be structurally sound, stable, dry, clean and free of any substance or condition that may reduce or prevent proper adhesion and must be in accordance with ANSI A108.5 standards.

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### Mixing Steps

- Before starting, take appropriate safety precautions. See MSDS for details
- MULTI-PURPOSE MASTIC is ready to use no mixing is required

### Product Application

1. Provide dry, heated storage on site and deliver materials at least 24 hours before use. This product is freeze/thaw-stable at temperatures down to 0°F (-18°C). However, it is recommended to protect all water-based products from freezing. If material is frozen, do not stir until it has completely thawed.
2. Surface area that will receive tile must be dry, clean and free of dust, oil, grease, tar, paint, wax, curing agents, primers, sealers, release agents or any deleterious substance that may act as bond barriers. All supporting surfaces must be structurally sound.
3. Use the recommended notched trowel (see TROWELS & COVERAGES) with sufficient depth to ensure proper transfer, covering at least 85% of the tile back. Using the flat edge of the trowel, spread the adhesive on the substrate. Then, apply additional material and comb the surface using the notched side of the trowel to achieve an even setting bed. Do not spread more than can be covered with tiles within 30 to 45 minutes. If skinning occurs, scrape off and replace with fresh adhesive
4. Place tiles firmly in position on the fresh adhesive with a slight twisting motion to ensure a positive bond. Make all alignments and adjustments immediately (do not exceed 30 minutes).
5. Clean smudges from the face of the tiles promptly with water while adhesive is still fresh. Once dried, use mineral spirits. Wash tools and hands with water while adhesive is still fresh.
6. Provide for expansion and control joints as specified per TCNA Detail EJ171 or TTMAC Specification Guide 09300 Detail 301EJ.
7. Allow tiles to reach a firm set, usually 24 hours after installation, then grout.



Note: Installing large tiles will extend the drying time as will cold temperatures and high humidity. Do not grout or allow traffic until tiles are securely bonded.

8. Floors: Keep free from general traffic for at least 72 hours after installation. Plywood or stepping boards may be used after 24 hours when occasional stepping on the floor is unavoidable.

Walls: Protect from impact, vibration and hammering on adjacent and opposite walls for at least 14 days after installation. Protect from water exposure for at least 72 hours after grouting.