



# Technical Data Sheet

## Blue Max® Tile & Floor



### Stock Code

BMX3.5TILE

### Packaging Information

- 3.5 Gallon Pail

### Characteristics

Blue Max® Tile & Floor is a tough blue elastomeric waterproofing rubber. It can be used in both residential and commercial applications where a waterproofing membrane is needed during the application of floor and wall tiles. Blue Max Tile & Floor meets Uniform Plumbing Code specifications for use as a shower pan liner.

|  |  |
|--|--|
| VOLUME SOLIDS                            | 46%  |
| WEIGHT PER GALLON                        | ASTM D1475 8.36 lbs.   |
| ADHESION TO VARIOUS SUBSTRATES           | CMU - ASTM D4541 Method B 80.2 psi exceeds minimum<br>Hardie Board - ASTM D4541 Method B 198.8 psi exceeds minimum<br>DensGlass - ASTM D4541 Method B 43.3 psi exceeds minimum                                       |
| COLOR                                    | Translucent Blue   |
| COVERAGE                                 | 1 gallon per 25 sq. ft. dependent on system application (2 coat minimum for sprayer & 4 coat minimum for roller)   |
| DRY TIME                                 | 5 Mils DFT - Recoat in 2 hours<br>10 Mils DFT - Recoat in 3.5 hours  |
| CURE TIME                                | 7-10 days  |
| ELONGATION                               | ASTM D2370 up to 1200%   |
| DRY FILM THICKNESS (@ 1 GAL/25 SQ. FEET) | 15 mils per coat (30 Mils total DFT required)  |
| FLASH POINT                              | >200°F   |
| HUMIDITY                                 | Best applied at 50% humidity or below  |
| AIR PERMEANCE                            | ASTM E2178 Air Permeance 0.00010 cfm/ft <sup>2</sup> @ 1.56lb/ft <sup>2</sup>  |
| SEAM STRENGTH                            | ANSI 118.10 Section 4.2 114 lb./in-Perpendicular to Seam 46.3 lb./in-Parallel to Seam  |
| MOLD & MILDEW RESISTANCE                 | ANSI 118.10 Section 4.1 No Growth  |
| PH AS SHIPPED                            | ASTM E70 9.0-9.5   |
| BREAKING STRENGTH                        | ANSI 118.10 Section 4.3 1,540 psi Machine direction 512 psi Cross Direction  |
| SHELF LIFE                               | 24 Months Unopened   |
| DIMENSIONAL STABILITY                    | ANSI 118.10 Section 4.4 -0.17% (70°C) -0.17% (-26°C)   |
| V.O.C CONTENT                            | <1 g/l   |
| VAPOR PERMEABILITY                       | ASTM E96 Desiccant Method 0.117 perms. Water Method 0.49 perms   |
| VISCOSITY                                | ASTM D2196 4100-5100 cps spindle # 6@100 rpm<br>ANSI 110.10 Section 5.0 138 psi (7-day)<br>89.4 psi (7- day water immersion)<br>125 psi (Four-Week)<br>140 psi (twelve-Week)<br>76.6 psi (100 - day water immersion) |
| SHEAR STRENGTH                           |  |

### Compliance

|                            |     |
|----------------------------|-----|
| SCAQMD                     | Yes |
| LEED® V4 & V 4.1 EMISSIONS | Yes |
| LEED® V4 & V4.1 V.O.C      | Yes |
| CARB & CARB SCM 2007       | Yes |
| OTC & OTC PHASE II         | Yes |

### Surface Preparation

All surfaces must be sound and free of frost, dirt, grease, oil, loose nails & screws, sharp protrusions, or other contaminants that will hinder the adhesion of the membrane installation. Clean loose dust and dirt from the surface by brushing or wiping with a clean, dry cloth brush or broom. Concrete should be cured in place for a minimum of 28 days. All concrete surfaces should have the appearance of 80 grit sandpaper to promote adhesion. All sharp protrusions such as cold joints shall be ground flush. Honeycomb, holes, cracks, and joints up to 5/8" across shall be filled with Blue Max Trowel or Blue Max Caulk.

### Application Methods

- **Brush:** Nylon/polyester
- **Roller:** 3/8" - 1/2" nap nylon/polyester
- **Sprayer:** Always use airless equipment
  - **Small Projects** - Flow rate of 0.60 GPM (i.e. Graco 495 airless), 2500 - 3000 PSI. Tip size 412 (8" fan 0.012 orifice size) to 521 (10" fan 0.021 orifice size). Hose size 1/4"
  - **Large Projects** Flow rate of 1.0 - 2.0 GPM (i.e. Graco 695 airless), 2500 to 3000 PSI. Tip size 417 (8" fan 0.017 orifice size) to 625 (12" fan 0.025 orifice size). Hose size 1/4" to 3/8"

### Application Instructions

Review product Application Guide before proceeding. Contact Ames Research Laboratories Technical Service Department for questions pertaining to the coating system application and required coating film thickness. Conduct a test patch to ensure proper adhesion.

- Ensure area to be filled is clean of debris and loose material. Use a wire brush if needed to remove loose material
- Please refer to Application Guide for film thickness requirements to meet ANSI 118.10 and IAMPO requirements
- Do not allow product in packaging to freeze
- Do not install in area expected to reach 90°F or above
- Do not use as a wear surface: the membrane must be covered with tile or other permanent flooring
- Do not apply over wet substrates

### Disclaimer

The information and specifications set forth in this Technical Data Sheet are based on tests conducted by or on behalf of Ames Research Laboratories, Inc. All information is subject to change and pertains to the product available at time of publication. Please contact Ames Research Laboratories to receive the most recent Technical Data Sheet.

### Clean-up, Storage & Disposal

- Clean up application equipment, tools, spills, hands immediately after use with water
- Store unused product in the original container tightly sealed
- Dispose of this product in accordance with local, state, or federal requirements
- Protect from freezing

### Cautions

- Do not take internally
- Keep out of reach of children
- Avoid contact with skin and eyes
- Use hand and eye protection when using this product
- Wash with soap and water after contact with skin
- If eye-contact occurs rinse with clean water and seek medical advice if symptoms continue

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