

Waterproofing Membrane

PRODUCT DESCRIPTION

ImmediaTile Waterproofing Membrane is a ready-to-use, flexible, mold and mildew resistant, waterproofing crack isolation membrane. Forms a smooth, monolithic, watertight surface over walls, floors and ceilings. Waterproofing Membrane stops in-plane cracks up to 1/8" (3 mm) or up to 1/4" (6 mm)* wide at the subfloor from telegraphing through to ceramic and stone tile. For all residential and commercial applications.

*Based on application

Key Features and Benefits

- Exceeds ANSI A118.10 Specifications for Waterproof Membranes
- Exceeds ANSI A118.12 Specifications for Crack Isolation Membranes
- Use for Positive Hydrostatic Pressure Applications
- Fast Drying – ready for tile installation in 1 to 3 hours
- Easy roller, trowel or spray application
- No mesh required (optional for waterproofing applications)
- Apply over new (green) concrete as little as 3 days old
- Isolates cracks up to 1/8" (3 mm) or up to 1/4" (6 mm) based on application
- Membrane resistant to growth of mold and mildew
- Approved over control joints – no need to locate tile or stone field movement joints directly over control joints
- Low VOC
- Passes EN 14891:2017(E)

Packaging

One U.S. gallon plastic pails (3.78 L)	Product # 15036433
Retail Height:	19.7 cm (7.75")
Retail Width:	21 cm (8.25")
Retail Depth:	21 cm (8.25")
Items per Case	2
Case Height:	20.3 cm (8")
Case Width:	20.3 cm (8")
Case Depth:	40.6 cm (16")
Cases per Pallet:	72
Pallet Weight:	About 800 Kg. (1,766 lbs.)

Coverage

Approximately 50.3 ft² (4.67 m²) per gallon container when applied at 2 coats of .025" (0.65 mm) wet film thickness.

Suitable Substrates

When properly prepared, suitable substrates include:

- Concrete (minimum 3 days old), cured mortar beds and masonry (interior)
- Gypsum wallboard (interior), cementitious backer units (CBU or cement board. Interior existing ceramic and porcelain tile.)
- APA Grade Trademarked Exposure 1 Plywood [CDX or better; two layers, 1.125" (28 mm) total minimum thickness, interior floors only]
- Existing ceramic tile, VCT or non-cushioned sheetgoods provided they are single layer only and well bonded to a substrate approved for tile (interior)

Substrate Preparation

Patch and fill holes and voids with an appropriate surface preparation product. Remove all surface contaminants such as oil, grease, floor finishes, wax, and dirt. New concrete shall be finished with a steel trowel, have a fine broom finish, and must cure a minimum of 3 days. For high moisture vapor emission concrete applications, the maximum acceptable moisture vapor emission rate is 12 lbs (5.4 kg) per 1,000 ft² (92.9 m²) per 24 hours when evaluated by ASTM F1869 or 90% relative humidity per ASTM F2170. Where required, existing concrete surfaces shall be prepared by mechanical method such as scarifying, grinding,

sand blasting or shot blasting. Surface protrusions and tile glazes will be removed by sanding, scraping or scarifying. After preparation, remove all dust by vacuuming. Clean concrete floor from dust with a wet sponge and let the floor dry completely before membrane application. Note: Vinyl asbestos tile or any substrate containing asbestos must not be sanded, scored or scarified because of the potential health hazard of breathing dust. Any substrate containing asbestos must be handled in accordance with existing EPA regulations. Contact your local EPA office.

Storage

DO NOT FREEZE. Store in cool, dry location. Do not store open containers, nor leave containers exposed to sunlight. Product must be kept at temperatures of 40°-90°F (4°-32°C).

Shelf Life

Maximum of 1 year from date of manufacture in unopened package.

Limitations

- Not for use as a wear surface.
- Do not apply over wet areas.
- Do not use over dimensionally unstable substrates such as oriented strand board (OSB).
- Do not use in areas subject to hydrostatic pressure from beneath the membrane.

Cautions

Read complete cautionary information printed on product container prior to use. For medical emergency information, call 1-888-853-1758.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered ImmediaTile brand product(s) under normal environmental and working conditions. Because each project is different, ImmediaTile cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

TECHNICAL DATA

Applicable Standard

Exceeds ANSI A118.10 Specifications for Waterproof Membranes
 Exceeds ANSI A118.12 Specifications for Crack Isolation Membranes

ImmediaTile Waterproofing Membrane		
Description	ANSI A118.10 Requirement	Typical Results
Shear Strength		
7-Day	50 psi (0.34 MPa)	238 psi (1.63 MPa)
7-Day, Water Immersion	50 psi (0.34 MPa)	150 psi (1.03 MPa)
4-Week	50 psi (0.34 MPa)	310 psi (2.12 MPa)
12-Week	50 psi (0.34 MPa)	330 psi (2.26 MPa)
100-Day, Water Immersion	50 psi (0.34 MPa)	125 psi (0.86 MPa)
Fungus Resistance	Shall not support mold growth	Passes
Description	ANSI A118.10 Requirement	Typical Results
Seam Strength	8 lb./inch width	> 20 lb./inch width (> 3.6 lg/cm)
Breaking Strength	Minimum 170 psi (1.17 MPa)	250 psi (1.72 MPa)
Dimensional Stability	Maximum 0.7% length change	< 0.7% length change

Waterproofing Membrane

Description	ANSI A118.10 Requirement	Typical Results
Waterproofness Tested in accordance with American Standards for Load Bearing, Bonded, Waterproof Membranes for Thin Set Ceramic Tile and Dimension Stone Installations—ANSI A118.10	No visible water penetration after 48 hours	Passes
Description	ANSI A118.12 Requirement	Typical Results
Point Load	Minimum 1000 lb. load without cracking tile	Passes
Shear Deflection	Standard Performance Min. 1/16" (1.6 mm) High Performance Min. 1/8" (3 mm)	High Performance
Crack Resistance Test	Standard Performance Min. 1/16" (1.6 mm) High Performance Min. 1/8" (3 mm)	High Performance
Additional Tests	Test Method	Typical Results
Accelerated Test for Fungal Defacement	ASTM D5590	Passed with no growth and 10 mm zone off inhibition.
Water Vapor Permeance	ASTM E96 Procedure B	1.5 perms (85.8 ng/PA·s·m ²)
Elongation	ASTM D751	750%
Tensile Strength	ASTM D751	250 psi (1.72 MPa)

Greater than: > Greater than or equal to: ≥ Less than: < Less than or equal to: ≤

Physical Properties

Description	
Physical State	Liquid: Acrylic Emulsion Modified with a Polyurethane Dispersion
Color	Cured: Purple
Odor	Cured: None Uncured: Mild Ammonia
Tile Installation Time at 70°F (21°C)	1-3 hours after membrane application. See CURING section for more information.
Foot Traffic Rating (ASTM C627)	Residential to Extra Heavy Commercial (depending on substrate)
Service Temperature Rating	-20°F (-29°C) to 320°F (160°C)
VOC (less water)	12 g/L
Storage	DO NOT FREEZE. Store in cool, dry location. Do not store open containers, nor leave containers exposed to sunlight. Product must be kept at temperatures of 40°-90°F (4°-32°C).
Shelf Life	Maximum 1 year from date of manufacture in properly stored, unopened package.
Freeze/thaw Stability of Liquid	None. KEEP FROM FREEZING.

INSTALLATION INSTRUCTIONS

INSTALLATION INSTRUCTIONS AS WATERPROOFING MEMBRANE

Application—Waterproofing Membrane

To achieve waterproofing properties, a continuous membrane (no voids) of at least 1.14-1.27 mm (3/64") wet film thickness is required over the entire surface. Pre-fill all concrete cracks and plywood gaps up to 3 mm (1/8") wide with membrane prior to application. Treat cracks greater than 6 mm (1/4") wide as expansion joints (see following section).

Apply membrane to entire surface using a 6-12 mm (1/4"-1/2") nap roller, 4.7 mm (3/16") V-notch trowel, or airless sprayer. For successful waterproofing installations, membrane must be applied in two coats. Apply first coat, measuring membrane periodically with a wet film thickness gage to ensure a minimum thickness of 0.65 mm (.025") wet. Allow first coat to dry approximately 1 hour, until membrane changes to a semi-transparent color. Then apply second coat perpendicular to the first coat. An additional 0.65 mm (.025") wet film thickness shall be applied to achieve a combined total thickness of 1.3 mm (.05") wet.

Drying

Dry for 1-3 hours. Dry times based on 21°C (70°F) and 50% RH. Thicker films, cooler temperatures, higher humidity or green concrete (not fully dried) will extend dry times. No Bond Enhancer required when installing ImmediaTile system with Waterproof Membrane.

Clean-up

Clean tools, hands and excess material immediately (while still fresh) with water. Material that has dried is difficult or impossible to remove.

LIMITED WARRANTY

The product(s) covered by this Product Data Sheet are sold subject to a Limited Warranty and related terms. **H.B. Fuller Construction Products Inc. disclaims the implied warranties of merchantability and fitness for a particular purpose and all incidental and consequential damages arising out of the sale, purchase or use of this product.** For Limited Warranty details, visit www.immediatile.com. To obtain a hard copy of the Limited Warranty call 1-800-832-9023 or mail a written request to H.B. Fuller Construction Products, 1105 S. Frontenac St. Aurora, IL 60504.