



MM[®] TriBlok[™] Moisture Barrier

TMB Series Water Management System

DESCRIPTION

The TriBlok Moisture Barrier (TMB) is an engineered barrier installed under floor, wall, and roof expansion joints to prevent water and moisture from passing through the structural joint opening.

BASIC USE

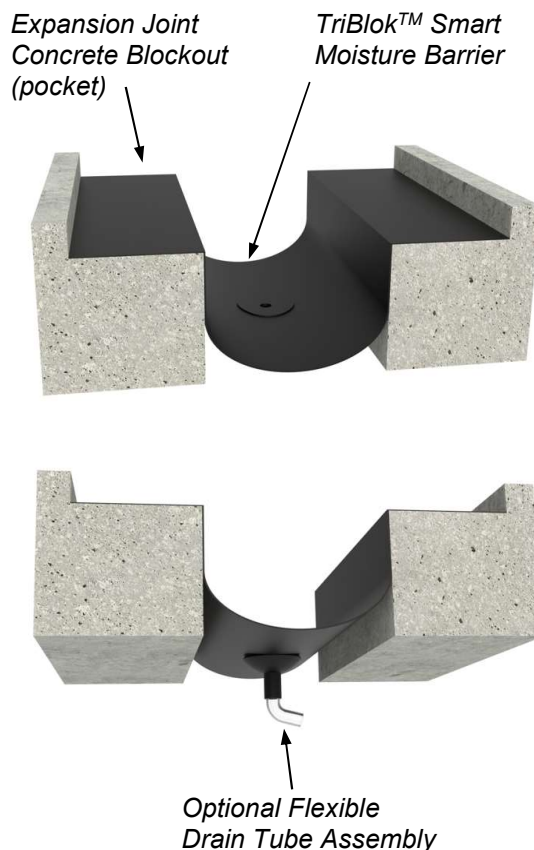
TMB is designed to prevent water infiltration that can lead to costly building repairs. TMB manages both water migration and vapor transmission through structural openings that measure 1-inch (25mm) or larger through floor, wall, and roof cavities. TMB provides protection in a wide variety of architectural applications – concrete, brick, block, window-walls, metal panels, composites, and the like.

PERFORMANCE FEATURES

- Collects and moves water away from the expansion joint opening. Optional drain tube assemblies are available.
- Provides interior air, vapor, and dust control.
- Retards vapor transmission via the TriBlok[™] Semi-Impermeable Smart Weather technology.
- Class A Rating restricts flame spread and the passage of smoke.
- Accommodates $\pm 50\%$ movement including lateral shear and vertical displacement.
- Factory end terminations and directional transitions are available.
- Service life analysis (Arrhenius methodology) confirms that TriBlok[™] Moisture Barrier will meet or exceed the life expectancy of the surrounding construction.

SPECIAL FEATURES

- TriBlok[™] Smart Weather Wrap is comprised of a high-density polyethylene center and coated on two sides with low density polyethylene.
- Designed to help protect against water damage and mold growth.
- Semi-Impermeable 0.64 perms Class II (ASTM E96) breathable Smart Weather Wrap



NOTE: Expansion Joint not shown but is used to secure the TMB in place.

PACKAGING

TriBlok[™] Moisture Barrier is supplied in rolls and packaged in cartons.

STORAGE & PROTECTION

All materials should be stored in a completely dry location prior to use. The TMB system must be kept dry prior to installation.

LIMITATIONS

Adjacent construction should have flat and structurally sound substrate for proper barrier attachment.

PRECAUTIONS

Use protective goggles and gloves. Read and follow labels and the Safety Data Sheet before use.

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JOINT OPENING SIZE CONFIRMATION

Prior to installation always confirm that system sizes supplied will accommodate both the minimum and maximum joint width. Refer to MM Systems product drawings and project specific contract drawings. Too often expansion joint openings are sized without adjustment resulting in larger than anticipated openings. Not knowing the actual expected minimum and maximum joint opening may result in product failure or costly replacement orders if not properly sized.

SIZES

TriBlok Moisture Barriers are available in the following sizes:

- 10.5 inch
- 21.0 inch
- 31.5 inch
- 63.0 inch

TECHNICAL DATA

Material: High Density and Low-Density Polyethylene

Nominal Thickness: 6 mil (ASTM D1777)

Unit Weight: 3.5 oz/yd² (ASTM D3776)

Tensile Grab Strength: 112.4 lbf (ASTM D751)

Tear Strength (tongue): 67.4 lbf (ASTM D2261)

Mullen Burst Strength: 190 PSI (ASTM D751)

Life Safety: Class A Rating for Flame Spread [SFI] & Smoke Development [SDI] - (ASTM E84-94)

INSTALLATION

- 1) TMB is supplied in practical continuous lengths. Determine the quantity required for each joint run.
- 2) When necessary, adjoin segments together by using splice tape provided.
- 3) If purchased, attach the factory end caps to seal the barrier ends where each joint run begins and ends.
- 4) Insert TMB across each blockout (pocket) and into the joint opening sufficiently to fit expansion joint assembly.
- 5) Secure TMB with expansion joint mounting rails and anchors.
- 6) Refer to the TMB Series Install Guide for detailed step-by-step instructions.

LIMITED WARRANTY

MM Systems warrants the TMB to be free of defects in material and conform to technical data listed. We make no warranty as to color or appearance. Since methods of application can affect performance and onsite conditions are beyond our control, MM Systems makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. MM Systems' sole obligation shall be, at its option, to replace, or to refund the purchase price of the quantity of the system proved to be defective. In no event shall MM Systems be liable for any special, incidental, consequential, loss of profits or punitive damages. Other warranties may be available when installed by an MM Systems Certified Contractor.

MM Systems reserves the right to amend or withdraw information contained herein, without notice, and will not be liable for any inaccuracy or ambiguity of said information.

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Spec Data

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