



# MM<sup>®</sup> TriBlok<sup>™</sup> Gutter Guard

## TGG Series Water Management System

SPEC DATA

MM Systems • 50 MM Way, Pendergrass, GA 30567 • 706.824.7500 • www.mm.systems

### DESCRIPTION

The TriBlok Gutter Guard (TGG) is an engineered barrier installed under expansion joints in concrete structures. It is a secondary water and moisture collection system that collects water and prevents it from passing through the structural joint opening.

### BASIC USE

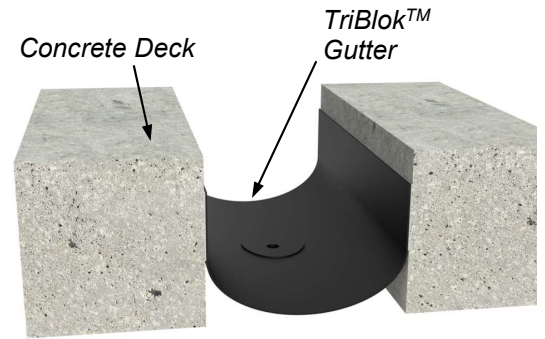
TGG is designed as a secondary line of defense to prevent water infiltration that can lead to costly building repairs. TGG manages water migration through structural openings that measure 1-inch (25mm) or larger through concrete floor cavities. TGG provides protection in a wide variety of structural applications – parking structures, plaza decks, pedestrian bridges, and the like.

### PERFORMANCE FEATURES

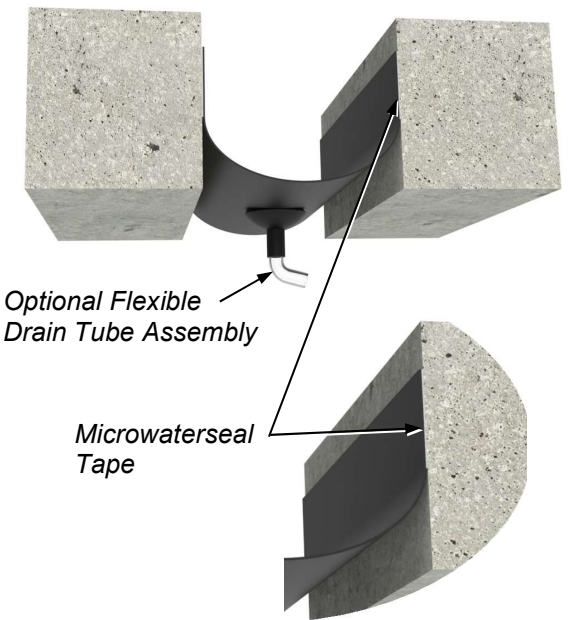
- Collects and moves water away from the expansion joint opening. Optional drain tube assemblies are available.
- Provides interior air, vapor, and dust control.
- Retards vapor transmission via the TriBlok<sup>™</sup> Semi-Impermeable Smart Weather technology.
- Class A Rating restricts flame spread and the passage of smoke.
- Accommodates ± 50% movement including lateral shear and vertical displacement.
- Factory end terminations and directional transitions are available.
- Designed to help protect against water damage and mold growth.
- Service life analysis (Arrhenius methodology) confirms that TriBlok<sup>™</sup> Gutter Guard will meet or exceed the life expectancy of the surrounding construction.

### SPECIAL FEATURES

- TriBlok<sup>™</sup> 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 installed above TriBlok<sup>™</sup> Gutter is not shown .*



### PACKAGING

TriBlok<sup>™</sup> Gutter Guard is supplied in rolls and packaged in cartons.

### STORAGE & PROTECTION

All materials should be stored in a completely dry location prior to use. The TGG 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.

# MM TriBlok™ Gutter Guard

## 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 Gutter Guard is 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/yd<sup>2</sup> (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) TGG is supplied in practical continuous lengths. Determine the quantity required for each joint run.
- 2) 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 TGG down and into the joint opening sufficiently to fit below expansion joint assembly.
- 5) Secure TGG with Microwaterseal Tape provided.
- 6) Refer to the TGG Series Install Guide for detailed step-by-step instructions.

## LIMITED WARRANTY

MM Systems warrants the TGG 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.

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