Modern Walls & Moisture Woes

Why weren't moisture failures a concern 50 years ago? We built differently. High performance building increases insulation, air sealing, and synthetic materials that result in more efficient & comfortable structures. However, this limits drying potential across the wall and now a modest amount of water infiltration can lead to disaster.

The solution? Predictable drainage & ventilation to get moisture out quickly. MTI has the products, details and expertise to make modern walls work.

Proven Performance

Independently verified testing proves that MTI products rapidly drain and dry walls. Learn more at MTIdry.com/performance

Protection for Your Walls

- Fiber Cement & Cedar Siding
- Adhered & Natural Stone
- Single Wythe Walls
- Basements
- Stucco
- Brick
- EIFS
Because No Wall Is Waterproof

When you manage moisture, you manage risk. MTI is your partner in providing high quality products with a proven track record of keeping walls dry. More than exceptional products, when you partner with MTI you gain expert advice, responsive customer service, and educational resources designed to help you execute moisture management well on each project.

Smart AECs Choose MTI

"MTI is my preferred brand that I specify and use. They are more complete in their offerings and have a very good website with specifications and drawings that I use to train people in the importance of an applied drainage mat in the stone veneer assembly"

Mark Parlee, Building Consultant
The Building Consultant - Iowa

The MTI Difference

- 20 Year Warranty
- Superior Drainage & Ventilation
- Time-Saving Components
- Expert Advice
- Responsive Customer Service
- Recycled Content
Sure Cavity™ & Gravity Cavity™
Rainscreen Drainage Plane

Why Rainscreen?
No Wall Is Waterproof

Today's "tighter" buildings increase the risk for moisture and mold problems. Rainscreen systems greatly reduce this risk by enabling moisture to swiftly exit the building envelope. Rainscreens are inexpensive insurance to mitigate the risk of wall failure. Smart builders keep walls dry with Sure Cavity & Gravity Cavity.

The MTI Advantage

- Unobstructed Drainage
- Vapor Permeable for Full Ventilation
- Resists Compression, Reduces Waviness
- Cut Install Time by 50% (vs. furring strips)
- Mortar Blocking Fabric & Bug Screen
- Plastic is 100% Recycled Content
- 20 Year Warranty

Applications

- Stucco, Thin Stone or Thin Brick
- Natural Stone
- Full Brick
- Fiber Cement, Cedar Siding
- Roofing Applications

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- Natural Stone
- Full Brick
- Fiber Cement, Cedar Siding
- Roofing Applications
Installation


- Back-wrap 4" fabric skirt to create bug screen on the lowest course. 4" fabric skirt will lap shingle fashion in subsequent courses.

- Corrugated plastic to be butted at seams. Do not overlap plastic. Not necessary to align channels. Wrap rainscreen around corners and extend to nearest structural member.

- Fasten every 24" on-center with a hammer stapler over nailable surfaces. On masonry backup walls use dime-size dabs of adhesive to hold in place. Installing lath or veneer will ultimately sandwich rainscreen in place.

Complete Installation at MTIdry.com/installation

Technical Information

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Vapor Permeance</th>
<th>Drainage Efficiency</th>
<th>Water Vapor Transmission</th>
<th>Compressive Strength</th>
<th>UV Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perforated and corrugated plastic made of 0.6 mm pre-consumer recycled high-impact polystyrene with an adhered spun-bond polypropylene fabric.</td>
<td>20.3 Perms (ASTM E 96-05)</td>
<td>Over 97% (ASTM 2273, ICC EG356)</td>
<td>8.3 grains/hr•ft² (ASTM E 96-05)</td>
<td>249 kPa / 5198 psf</td>
<td>Over 9 weeks in accelerated UV testing (ICC EG356, ICC AC48)</td>
</tr>
<tr>
<td>Fungi Resistance</td>
<td>Does not support fungal growth (ASTM C 1338)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UV Exposure</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Gravity Cavity**

- GC 1816, GC 1832
- **Most Economical**

- 1/16" (0.6 mm)

**Sure Cavity**

- SC 5016, SC 5032
- **Better Protection**

- 3/16" (5mm)

**10mm Sure Cavity**

- SCMM 2516, SCMM 2532
- **Best Protection & Meets Code in Canada**

- 10mm

Questions about application, installation or ordering?
MTIdry.com/sure-cavity

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March 2019
Perforated Control Cavity™
Interior Single Wythe Masonry Drainage Plane

Separate Single Wythe Masonry from Interiors

Capillary rise is a fact of life in masonry. Water can move vertically and laterally through the small pores in concrete despite our best attempts at waterproofing. Separating interior building materials from wet single wythe walls with Perforated Control Cavity improves building sustainability.

The MTI Advantage

- Separates Single Wythe Wall From Finished Interior
- Perforated For Cross Ventilation
- Integrated Water Resistive Barrier
- Plastic is 100% Recycled Content

Applications

☑ Single Wythe Interiors

Moisture that penetrates single wythe walls drains down the Perforated Control Cavity to an interior drain field

Perforated Control Cavity features Green Guard® Classic Wrap

Perforated Control Cavity installed on interior of block wall
**Installation**

- Install Perforated Control Cavity™ with channel pattern running vertically.
- Overlap all edges and ends a minimum of 1”.
- Overlap horizontal edges shingle fashion to outside concrete or masonry substrate - upper sheet laps behind (back laps) lower sheet.
- Cover entire wall surface, top to bottom, in this fashion.
- Mechanically fasten Perforated Control Cavity 24” on center with concrete nails or power fastener.

Complete Installation at MTIdry.com/installation

**Technical Information**

<table>
<thead>
<tr>
<th>Material</th>
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<tbody>
<tr>
<td>perforated control cavity</td>
<td>0.024” (0.6 mm) thick high impact polystyrene sheets, formed with corrugations and a cross-woven polyolefin fabric (GreenGuard® Classic Wrap) on one side with a 4” (102 mm) skirt on one edge.</td>
</tr>
</tbody>
</table>

* GreenGuard is a Registered Trademark of the Kingspan Group plc in the US. All rights reserved.

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<ins>Perforated Control Cavity™</ins>

**PCC 4816, PCC 4832**

- Depth (drainage gap): \( \frac{3}{16} \) in (5mm)
- Roll Length: 50 ft
- Roll Width: 15.75 in | 31.5 in
- Roll Coverage: 66 ft² | 132 ft²
- Pallet: 4,224 ft² | 4,224 ft²

**10mm Perforated Control Cavity**

**PCC 2416, PCC 2432**

- Depth (drainage gap): \( \frac{3}{8} \) in (10mm)
- Roll Length: 25 ft
- Roll Width: 15.75 in | 31.5 in
- Roll Coverage: 33 ft² | 66 ft²
- Pallet: 2,112 ft² | 2,112 ft²

Questions about application, installation or ordering? MTIdry.com/perforated-control-cavity

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Corrugated Lath Strip™
Rainscreen Strips For Siding

An Air Gap Protects You Against Moisture

Take a lesson from the EIFS industry: a drainage gap drains the wall and prevents moisture damage. The same lesson applies to siding. Plus it reduces maintenance & extends the life of the siding. Create a predictable air gap with Corrugated Lath Strip from MTI and stay dry.

The MTI Advantage

☑ Creates Rainscreen Air Gap
☑ Lightweight
☑ Easy to Install

Applications

☑ Fiber Cement & Cedar Siding

Corrugated Lath Strip installed over studs creates an air gap for drainage & ventilation behind siding

Corrugated Lath Strip creates a 3/16” or 1/8” air gap

Bundled in 50’ rolls - can be trimmed with a utility knife
Installation

- Install Corrugated Lath Strip™ over the water resistive barrier
- Align with framing or fastening pattern of siding
- Attach with staples or other mechanical fasteners
- Install exterior siding or exterior rigid foam insulation per manufacturer's specification

Complete Installation at MTIdry.com/installation

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**Corrugated Lath Strip**

- **CLS 3845-18**
  - Depth (drainage gap): 1/8" in (3mm)
  - Roll: 50 ft
  - Bundle: 250 ft / 5 rolls
  - Box: 1,500 ft / 6 bundles
  - Pallet: 18,000 ft

- **CLS 3845-316**
  - Depth (drainage gap): 3/16" in (5mm)
  - Roll: 50 ft
  - Bundle: 250 ft / 5 rolls
  - Box: 1,000 ft / 4 bundles
  - Pallet: 12,000 ft

Questions about application, installation or ordering?
MTIdry.com/corrugated-lath-strip
Corrugated Lath Strip™ White

Drainage Strip For EIFS

An Air Gap Protects You Against Moisture

Think exterior rigid foam insulation is a perfect barrier system? Think again. Learn a lesson from the EIFS industry: a drainage gap behind rigid insulation drains the wall and prevents moisture damage. Create a predictable air gap with Corrugated Lath Strip from MTI and stay dry.

The MTI Advantage

- Creates Air Gap
- Maintains Drainage & Minimizes Thermal Loss Behind EIFS & Rigid Insulation
- Easy to Install
- Protects Drainage Gap from Finish Coat

Applications

- EIFS

Corrugated Lath Strip protects the drainage gap in water managed EIFS.

Corrugated Lath Strip ensures 1/8” air gap

Corrugated Lath Strip is available in 50 ft rolls.
Installation

- Install Corrugated Lath Strip™ White over the water resistive barrier at the base of the wall, window heads and horizontal expansion joints.
- Wrap with insect screen.
- Fasten with staples or other mechanical fasteners 24” on center.
- Corrugated Lath Strip should extend below the EPS foam to protect the drainage gap from being covered by the base and finish coats.
- Install EPS foam and EIFS components per manufacturer’s instructions.

Complete Installation at MTIdry.com/installation

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**Corrugated Lath Strip White**

CLSW 3845-18

 Depth (drainage gap) 1/8 in (3mm)

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<th>Depth (drainage gap)</th>
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<tbody>
<tr>
<td>Roll</td>
<td>50 ft</td>
</tr>
<tr>
<td>Bundle</td>
<td>250 ft / 5 rolls</td>
</tr>
<tr>
<td>Box</td>
<td>1,500 ft / 6 bundles</td>
</tr>
<tr>
<td>Pallet</td>
<td>18,000 ft</td>
</tr>
</tbody>
</table>

Questions about application, installation or ordering?

MTIdry.com/corrugated-lath-strip
Trash Mortar Diverter™
Maintain Clear Cavity Behind Brick

Prevent Mortar Dams Behind Brick

Keeping a clear cavity for drainage & ventilation in brick walls is essential for the long-term performance of the wall. Holding the mortar 10" above the weeps isn't enough. Use Trash Mortar Diverter to catch mortar squeezings and keep a functioning cavity in brick veneers.

The MTI Advantage

- Holds & Encapsulates Trash Mortar
- Funnels Moisture to Bottom of Cavity
- Lightweight, But Not Fluffy
- Easy to Install
- 100% Recycled Content

Applications

- Full Brick

Trash Mortar Diverter catches & holds mortar squeezings above weeps & allows water to drain out of the wall

4' Sections of Trash Mortar Diverter are easy to install

Trash Mortar Diverter is placed in the cavity on brick ties
Installation

- Insert Trash Mortar Diverter™ into cavity with “V” pointed downward and short edge facing the installer.
- Arrange Trash Mortar Diverter in a “checkerboard”, “stairstep”, or architect/engineer-recommended pattern.
- Use only in cavities of 1 1/2” or more.

Complete Installation at MTIdry.com/installation.

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UV Exposure | Over 9 weeks in accelerated UV testing (ASTM G 154) | Fungi Resistance | Does not support fungal growth (ASTM C 1338) |

Trash Mortar Diverter™
TMD 9548

Fungi Resistance

<table>
<thead>
<tr>
<th>Piece</th>
<th>4 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bundle</td>
<td>40 ft / 10 pieces</td>
</tr>
<tr>
<td>Box</td>
<td>240 ft / 60 pieces</td>
</tr>
<tr>
<td>Pallet</td>
<td>2,400 ft / 600 pieces</td>
</tr>
</tbody>
</table>

Related Products:
- Cavity Weep™
- Head Joint Weep™

Questions about application, installation or ordering?
MTIdry.com/trash-mortar-diverter
Have Enough Weeps? Do They Work?

Common weep tubes and ropes in cavity walls are ineffective at weeping, and poor installation often makes drainage impossible. MTI's self-spaced weeps that roll out on the flashing ensure ample weeping capacity and foolproof installation.

The MTI Advantage

- Forms Bottom of Bed Joint Mortar
- Weeps Directly on Flashing
- Five Weep Holes every 9.5" 
- Time Saving Rolls
- Foolproof Installation
- Translucent to Blend with Mortar

Applications

- Full Brick
- Natural Stone
- Single Wythe Masonry

Cavity Weep™ & Stone Cavity Weep™
Self-Spaced Weep Systems

CV 5010
SCV 5012

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- Natural Stone
- Single Wythe Masonry

Cavity Weep™ drains the wall at its lowest point

Rolls of self-spaced weeps make installation fast & simple

Stone Cavity Weep forms the bottom of the bed joint mortar
Installation

- **Brick & Stone Cavity Walls:** Place Cavity Weep™ or Stone Cavity Weep™ on flashing with continuous belt centered in cavity and legs extending out from face of wall about 1” to 1 1/2”.

- **Single Wythe Walls:** Place Cavity Weep on flashing with continuous belt centered in core and legs extending to the exterior.

- **Place bed joint of mortar on Cavity Weep or Stone Cavity Weep and lay masonry units.**

- **Tool joints, lightly score legs at face of wall, and crack off by pushing downward while mortar is still plastic.**

- **Finish tool joint and brush.**

- **MTI recommends using Sure Cavity™ rainscreen to prevent mortar bridging and blocking the cavity.**

Complete Installation at MTIdry.com/installation

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<td>Fungi Resistance</td>
<td>Does not support fungal growth (ASTM C 1338)</td>
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<tr>
<td>UV Exposure</td>
<td>Over 9 weeks in accelerated UV testing (ASTM G 154)</td>
</tr>
<tr>
<td>Cavity Weep CV 5010</td>
<td>Stone Cavity Weep SCV 5012</td>
</tr>
</tbody>
</table>

**Material**

- Cavity Weep CV 5010
- Stone Cavity Weep SCV 5012

**Description**

- High impact polystyrene sheets, 0.024 inch (0.6 mm) thick, formed with corrugations.

**Technical Information**

- **UV Exposure**
  - Over 9 weeks in accelerated UV testing (ASTM G 154)

- **Fungi Resistance**
  - Does not support fungal growth (ASTM C 1338)

- **Cavity Weep CV 5010**
  - **Brick & Single Wythe Walls**
  - **Stone Cavity Weep SCV 5012**
  - **Natural Stone Veneer**

**Roll**

- 25 ft

**Bundle**

- 100 ft / 4 rolls

**Box**

- 600 ft / 6 bundles

**Bundle**

- 50 ft / 2 rolls

**Box**

- 300 ft / 6 bundles

Questions about application, installation or ordering?
MTIdry.com/cavity-weep
Wall Opening Weeps™
Versatile Weeps for Thin Veneers & More

Weeps Above Openings and Staggered Stone

Windows. Doors. Run-to-grade veneers. Moisture needs a way out of the wall at each interruption in the drainage plane. Wall Opening Weeps create a pathway for moisture to drain directly on the flashing. You'll be WOWed at how they unlock your creativity to create great looking exteriors that will last for generations.

The MTI Advantage

- Form Bottom of Scratch Coat
- Maintain Vertical Channels into Thin Veneer Walls
- Weep Directly on Flashing
- Work in a Variety of Exteriors
- Foolproof Installation
- Translucent to Blend with Mortar

Applications
- Stucco, Thin Stone or Brick
- Natural Stone
- Full Brick

Applications
- Stucco, Thin Stone or Brick
- Natural Stone
- Full Brick

Weeps above a window in a thin stone veneer

L-shaped weeps create weep tunnels directly on flashing

Wall Opening Weeps with Sure Cavity on natural stone
Installation

1. Install Wall Opening Weeps™ on flashings 10" on center
2. Install Sure Cavity™ rainscreen with fabric skirt lapping over Wall Opening Weeps
3. Apply scratch coat or mortar and exterior veneer
4. Tool joints and lightly score legs of Wall Opening Weeps at face of wall and crack off by pushing downward while mortar is still plastic
5. Finish tool joint and brush

Wall Opening Weeps are used in a variety of unique details. Visit MTIdry.com/installation for instructions specific to your wall assembly.

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</tr>
</tbody>
</table>

Wall Opening Weeps

WOW 9095

Related Products:

1. Cavity Weep™
2. Stone Cavity Weep™
3. Head Joint Weeps™

Questions about application, installation or ordering?
MTIdry.com/wall-opening-weep
Head Joint Weep™
Time-Saving Weeps and Spacers

Perfect for Steel Lintels & Shelf Angles

Weeps work when they create a path for drainage at the lowest point in the cavity - in this case, directly on the lintel or shelf angle flashing. Head Joint Weeps are 3/8” wide - the same as a mortar joint - so they act as a time-saving spacer for creating great looking brick joints.

The MTI Advantage

- Weep Tunnels at the Lowest Point of the Cavity
- Easy to Install
- Time Saving Spacers

Applications

- Full Brick
- CMU Veneer

Weeps also space brick units for fast & professional install

Head Joint Weeps create weep tunnels directly on flashing

Head Joint Weep with Sure Cavity on a brick lintel

MTI MASONRY TECHNOLOGY INCORPORATED

Detail Drawings • BIM • Free Consultation • Videos
info@mtidry.com  800-879-3348  MTIdry.com
Installation

1. Place Head Joint Weep™ as a spacer in each head joint, directly on flashing.

2. Spread bed joint of mortar on top of first course of brick, tuck point mortar into head joint and tool joint.

3. Masonry Technology Inc. recommends the installation of a drip plate under all flashings over all steel lintels and shelf angles.

Complete Installation at MTIdry.com/installation

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<table>
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<tbody>
<tr>
<td></td>
<td>Injection molded 0.24&quot; (0.6 mm) thick acetac</td>
</tr>
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</table>

Head Joint Weep™

HJW 3845

- Head Joint Weep for Standard Brick: 4 1/2”
- Head Joint Weep for CMU: 6 3/4”
- Head Joint Weep for CMU: 9”

Related Products:

- Cavity Weep™
- Wall Opening Weeps™

Head Joint Weeps are produced in double 9 inch long "sticks" that are easily snapped into:

- four 4 1/2 inch pieces for brick
- two 6 3/4 inch pieces for CMUs
- two 9 inch pieces for CMUs

Box: 400 - 4 1/2 in pieces

Questions about application, installation or ordering?

MTIdry.com/head-joint-weep
Core Cavity Weep™
Weeps for CMU Veneers

**Drain Block Cores & Veneer Cavity**
CMU and Jumbo Brick Veneers create two cavities where water can accumulate: in the block cores and the cavity between the veneer and structural back-up wall. Core Cavity Weep's unique design drains the cores and the wall cavity by creating drainage tunnels below the bed joint mortar directly on the flashing.

**The MTI Advantage**
- Forms Bottom of Bed Joint Mortar
- Weeps at the Lowest Point of the Wall
- Drains Cavity and Block Cores in CMU or Jumbo Brick Veneer
- Easy to Install Self-Spaced Weeps

**Applications**
- CMU Veneers

*Core Cavity Weep installed on flashing, below bed joint mortar*

*Rolls of self-spaced weeps make installation fast & simple*

*Weeps easily score and snap off, and joints are tooled for a finished appearance*
Installation

1. Core Cavity Weep™ should be positioned on flashings with continuous belt in center of block cores. Allow intermittent legs to extend into wall cavity and to the exterior as illustrated.

2. Apply bed joint of mortar

3. Install masonry units on bed joint of mortar following normal installation procedures

4. Lightly score legs at face of wall, crack off by pushing downward while mortar is still plastic

5. Tool and finish mortar joints

Complete Installation at MTIdry.com/installation

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Core Cavity Weep

CCV 5020

Related Products:

- Sure Cavity™ Rainscreen
- Mortar Belt™

Questions about application, installation or ordering?

MTIdry.com/core-cavity-weep
Concealed Lintel Weep™
Weeps for Lipped Brick

Applications
☑️ Lipped Brick

Concealed Lintel Weep can be field-trimmed from stock size or custom fabricated by MTI to customer dimensions

Unique Weeps for Hidden Joints
The Concealed Lintel Weep is used with lip brick set in a bed joint of mortar. It creates a weep system that moves moisture out of and away from this sensitive detail. The Concealed Lintel Weep creates tunnel weeps beneath the bed joint mortar, where an effective weep should be!

Corrugations create a gap for drainage beneath lip brick

The MTI Advantage
☑️ Completely Hidden Weeps
☑️ Weeps at Lowest Point in Wall
☑️ 100% Recycled Content
Installation

- Place Concealed Lintel Weep™ on flashing with the short edge protruding downward off the exterior edge of the steel lintel/shelf angle and appropriate drip plate edge
- The back edge of weep system should be approximately $\frac{1}{4}$" from the vertical face of the steel lintel/shelf angle and vertical surface of flashing
- Lap mortar blocking fabric of Sure Cavity™ over Concealed Lintel Weep
- Spread bed joint of mortar over Concealed Lintel Weep and install the lip brick units
  
  Complete Installation at MTIdry.com/installation

Technical Information

<table>
<thead>
<tr>
<th>Material Description</th>
<th>High impact polystyrene sheets, 0.024 inch (0.6 mm) thick, formed with corrugations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>UV Exposure</td>
<td>Over 9 weeks in accelerated UV testing (ASTM G 154)</td>
</tr>
<tr>
<td>Fungi Resistance</td>
<td>Does not support fungal growth (ASTM C 1338)</td>
</tr>
</tbody>
</table>

Concealed Lintel Weep™

CLW 9040

9" or less

5" or less

$\frac{1}{8}$”

0.024” (0.6 mm)

*Exact dimension custom fabricated by MTI as to customer specifications

Related Products:
- Head Joint Weep™
- Cavity Weep™

<table>
<thead>
<tr>
<th>Piece</th>
<th>4 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bundle</td>
<td>40 ft / 10 pieces</td>
</tr>
<tr>
<td>Box</td>
<td>240 ft / 60 pieces</td>
</tr>
</tbody>
</table>

Questions about application, installation or ordering?
MTIdry.com/concealed-lintel-weep

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Tuckpoint Retrofit Weep™
For Renovations & Large Masonry Units

Weeps For Retrofits & Oversized Stone

Unique applications require special weeps. Tuckpoint Retrofit Weeps are the solution for drainage with oversized masonry units as well as renovations where mortar is removed to add weeps.

The MTI Advantage

✔ Form Bottom of Bed Joint Mortar
✔ Weep Directly on Flashing
✔ Weeps Standard or Oversize Masonry Units
✔ Translucent to Blend with Mortar

Applications

✔ Retrofits & Renovations
✔ Natural Stone
✔ Full Brick

Weeps added to a brick veneer wall

14" long Tuckpoint Retrofit Weeps are available in 50' rolls or 2 1/2" wide pre-cut weeps

MTI
MASONRY TECHNOLOGY INCORPORATED

Detail Drawings • BIM • Free Consultation • Videos

info@mtidry.com  800-879-3348  MTIdry.com
Questions about application, installation or ordering?
MTIdry.com/tuck-point-retrofit-weep

Installation

- Removing existing mortar at lowest point in cavity to fit weep
- Space weeps no more than 10" on center
- Insert Tuckpoint Retrofit Weep™ and tuck point mortar on top side of weep only
- Tool joints and lightly score legs at face of wall and crack off by pushing downward while mortar is still plastic
- Finish tool joint and brush

Complete Installation at MTIdry.com/installation

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</tr>
</tbody>
</table>

Tuckpoint Retrofit Weep

Pre-Cut Weeps

TRW 1425

Cut-Your-Own Weeps

TRW 1425R

Box

100 pieces

Roll

50 ft
L & R Weep Screed™ & Weep Screed Deflector™

The Only Weep Screed That Weeps

Fact: Most Weep Screeds Don't Weep.

Weep screeds allow trapped water to drain to the exterior of the building, or they should. Most feature small holes for keying and rely on shrinkage cracks to drain - but the L & R Weep Screed features large slots to drain incidental moisture and ventilate the rainscreen wall system. The weep screed deflector can be added to divert moisture away from the foundation.

The MTI Advantage

- Large 1” Slots Weep & Ventilate
- Accommodates Rainscreen Drainage Mat
- True Rainscreen Termination
- Straight Screed Surface
- Deflector is a Mechanical Termite Barrier

Applications

- Stucco
- Thin Stone
- Thin Brick

L & R Weep Screed features large slots for drainage and ventilation in thin veneers

L & R Weep Screed's 1” slots drain directly below rainscreen drainage plane

The Weep Screed Deflector can be paired with the L & R Weep Screed to direct moisture away from foundation
Installation

- Optional Weep Screed Deflector™: Installed behind L & R Weep Screed as described below
- Install L & R Weep Screed™ at or below foundation plate line, run down onto foundation no less than 2”
- L & R Weep Screed shall be not less than 4” above the earth or 2” above paved areas
- Water resistive barrier shall lap the L & R Weep Screed attachment flange
- Rainscreen drainage plane shall be fully seated in the bottom of the L & R Weep Screed
- Exterior lath shall terminate in the L & R Weep Screed
- MTI recommends using Sure Cavity™ rainscreen drainage plane to drain & ventilate the thin veneer wall

Complete Installation at MTIdry.com/installation

Technical Information

<table>
<thead>
<tr>
<th>Material Description</th>
<th>L &amp; R Weep Screed</th>
<th>Weep Screed Deflector</th>
</tr>
</thead>
<tbody>
<tr>
<td>.0217” (26 Gauge) Cold Rolled Galvanized Steel</td>
<td>LR 3501</td>
<td>WSD 1309</td>
</tr>
<tr>
<td>Piece</td>
<td>8 ft</td>
<td>8 ft</td>
</tr>
<tr>
<td>Tube</td>
<td>160 ft / 20 pieces</td>
<td>160 ft / 20 pieces</td>
</tr>
</tbody>
</table>

Can be custom made in other metals upon request

Questions about application, installation or ordering?
MTIdry.com/l-r-weep-screed

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Moisture Diverter™
Extra Moisture Protection for Windows

Moisture Diverter can be used behind any cladding or veneer

Keep Moisture Away From Sensitive Details

When it comes to moisture intrusion, windows are frequently the weak point in wall assemblies. Any opening or protrusion in the wall that interrupts the drainage plane requires a moisture management plan and good detailing. The Moisture Diverter integrates with the rainscreen drainage plane and moves the moisture away from the opening, modifying the risk.

The MTI Advantage

- Diverts Moisture Away From Openings
- Addresses Critical Moisture Management Needs Above Wall Openings
- Simple, Yet Effective

Applications
- Stucco, Thin Stone or Thin Brick
- Full Brick
- Full Stone
- Siding

Moisture Diverter sloped-to-drain and integrated with WRB

Moisture Diverter directs moisture from the rainscreen drainage plane away from windows & wall openings

Moisture Diverter™
MASONRY TECHNOLOGY INCORPORATED

Detail Drawings • BIM • Free Consultation • Videos
info@mtidry.com  800-879-3348  MTIdry.com

March 2019
Installation

- Position Moisture Diverter™ immediately above wall openings (windows, doors, etc.). Moisture Diverter should not contact mounting flanges or flashing systems.
- Moisture Diverter must extend a minimum of 4” past window or window mounting flange on both sides of window.
- Make Moisture Diverter watertight against moisture resistant coatings on masonry or poured concrete walls.
- Install Moisture Diverter with 1/4” per 1’ slope-to-drain.
- Install flashing and overlap water resistive barrier shingle-fashion on framed wall.

Complete Installation at MTIdry.com/installation.

Technical Information

<table>
<thead>
<tr>
<th>Material</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>.027” (24 Gauge) Cold Rolled Galvanized Steel</td>
<td></td>
</tr>
</tbody>
</table>

**Moisture Diverter**

DS 2858

- 24 Gauge 0.027”
- 1 7/8”
- 48”
- 65°
- 5/8”

**Related Products:**

- Window Drainage Plane™
- Sure Cavity™ Rainscreen

**Piece** 4 ft

**Tube** 100 ft / 25 pieces

Can be custom made in other metals upon request.
Vented MTI Edge Metal™

Designed for Moisture Control

Rainscreen Compatible Vented Termination

An air gap allows gravity to drain your walls dry, but that water needs an exit strategy at terminations. Vented MTI Edge Metal is designed to fit the Sure Cavity rainscreen and features large slots for weeping the rainscreen air gap. Use Vented MTI Edge Metal with roofs, thin veneers over cement board and siding applications.

The MTI Advantage

- Accommodates Rainscreen Drainage Mat
- Large Slots Designed to Weep & Ventilate

Applications

- Siding
- Roof Systems
- Thin Veneers with Cement Board

Vented Edge Metal drains a rainscreen siding assembly

Vented MTI Edge Metal features large slots for drainage

Drains & vents the Sure Cavity™ rainscreen drainage plane
**Installation**

- Install Vented MTI Edge Metal™ below foundation plate line - a minimum of 4" above the grade.
- Ensure the water resistive barrier and Sure Cavity™ rainscreen overlap the 3 1/2" attachment flange and are fully seated in the bottom of the Vented MTI Edge Metal.
- Vented MTI Edge Metal can also be used as part of a roof drainage system beneath shingles.

Complete Installation at MTIdry.com/installation

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**Technical Information**

<table>
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<tr>
<th>Material Description</th>
<th>.0217&quot; (26 Gauge) Cold Rolled Galvanized Steel</th>
</tr>
</thead>
</table>

**Vented MTI Edge Metal**
VMEM 3168

- 26 Gauge
- 0.0217"
- 2 3/4"
- 3/16" Thru Typ.
- 1 5/16" x 1 1/4"
- 3 1/2""
- 3/4""
- 1/4"

**Related Products:**
- MTI Edge Metal™
- Sure Cavity™ Rainscreen

**Piece**
8 ft

**Tube**
104 ft / 13 pieces

Can be custom made in other metals upon request

---
Rainscreen Compatible Metal Termination

Compatible building materials keep projects moving along on-time and on-budget. MTI Edge Metal is designed to accommodate the depth of the Sure Cavity™ rainscreen drainage plane on vertical and non-draining terminations.

The MTI Advantage

☑ Accommodates Rainscreen Drainage Mat

Applications

☑ Roof Systems
☑ Thin Veneers
☑ Siding

MTI Edge Metal for non-draining terminations
Installation

- Roof Applications: install MTI Edge Metal™ on the roof rake or valleys to terminate the Sure Cavity™ rainscreen drainage plane.
- Transitions: Install at vertical transitions between veneers to terminate the Sure Cavity rainscreen drainage plane.

Complete Installation at MTIdry.com/installation

Technical Information

| Material Description       | .0217” (26 Gauge) Cold Rolled Galvanized Steel |

MTI Edge Metal
MEM 3168

1 5/16”
2 3/4”
3/16” Thru Typ.
26 Gauge 0.0217”
3 1/2”
3/4”
1/4”

<table>
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<tr>
<th>Piece</th>
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</thead>
<tbody>
<tr>
<td>Tube</td>
<td>104 ft / 13 pieces</td>
</tr>
</tbody>
</table>

Can be custom made in other metals upon request

Related Products:
- MTI Vented Edge Metal™
- Sure Cavity™ Rainscreen

Questions about application, installation or ordering? MTIdry.com/mti-edge-metal
Interior-Installed Retrofit Brick Tie

The Retrofit Brick Tie was developed for restoring flooded homes. The Retrofit Brick Tie allows the brick veneer to be anchored to the stud framing from the interior.

The MTI Advantage

- Easy Interior Installation
- Retrofit Applications
- Accommodates Depth of Brick, Cavity & Sheathing

Applications

- Brick Restoration

RBT 7381

Retrofit Brick Tie™
Fastened to Wood Studs From Interior

MTI MASONRY TECHNOLOGY INCORPORATED

Detail Drawings • BIM • Free Consultation • Videos
info@mtidry.com  800-879-3348  MTIdry.com

March 2019
**Installation**

- From the interior drill a 2" deep, $\frac{3}{4}"$ diameter hole in mortar joint next to studs. Clean dust and debris from hole
- Fill mortar joint hole with anchoring epoxy
- Insert Retrofit Brick Tie™ in epoxy and fasten to stud
- Install Retrofit Brick Ties every 16" vertically on studs

**Technical Information**

<table>
<thead>
<tr>
<th>Material</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>22 gauge stainless steel 304-2b</td>
<td></td>
</tr>
</tbody>
</table>

**Retrofit Brick Tie**

RBT 7381

**Related Products:**

- Sure Cavity™ Rainscreen

Questions about application, installation or ordering?

MTIdry.com/retrofit-brick-ties
Window Drainage Plane™

Sub Sill Drainage

Drain Moisture Below Windows

The sub sill region of windows is an especially moisture-sensitive area. MTI’s Window Drainage Plane™ allows moisture to escape before it can cause problems.

The MTI Advantage

- Creates a Drainage Plane in the Sub Sill Region of a Rough Opening
- Rigid & Durable
- 100% Recycled Content

Applications

- Stucco, Thin Stone or Brick
- Natural Stone
- Full Brick

The Window Drainage Plane creates an air gap on the flashed window sill

Corrugations create a gap for drainage in window sub sill

Drainage channels in window sub sill drain moisture into rainscreen drainage plane

Detail Drawings • BIM • Free Consultation • Videos
info@mtidry.com  800-879-3348  MTIdry.com
Installation

1. Prepare bottom of window rough opening with proper slope-to-drain surface

2. Cut and place Window Drainage Plane™ on prepared surface at bottom of window; hold in place with dabs of construction adhesive

3. Flash window rough opening & install window according to window manufacturer’s instructions

Complete Installation at MTIdry.com/installation

Technical Information

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<tr>
<td>Fungi Resistance</td>
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</table>

Window Drainage Plane WDP 5000

Related Products:
- Sure Cavity™ Rainscreen
- Moisture Diverter™

<table>
<thead>
<tr>
<th>Piece</th>
<th>4 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bundle</td>
<td>40 ft / 10 pieces</td>
</tr>
<tr>
<td>Box</td>
<td>240 ft / 60 pieces</td>
</tr>
</tbody>
</table>

Questions about application, installation or ordering?
MTIdry.com/window-drainage-plane
Ensuring A Drainage Path in CMU Cores

Keep your weeps working well by keeping a clear path for drainage in CMU cores with Mortar Belt. Mortar Belt rolls out quickly on top of masonry units and holds trash mortar squeezings away from weeps. Mortar Belt keeps your walls draining and crew working efficiently.

The MTI Advantage

- Catches & Holds Trash Mortar
- Protects Drainage Path to Weeps
- Easy to Install
- 100% Recycled Content
Installation

- Center Mortar Belt™ on CMU wall every 4 to 6 courses
- Caution - Mortar Belt should only be used with masonry unit cells that are at least 5” wide

Complete Installation at MTIdry.com/installation

Technical Information

<table>
<thead>
<tr>
<th>Material</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mortar Belt</td>
<td>Corrugated plastic made of 0.6 mm pre-consumer recycled high-impact polystyrene.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Roll</th>
<th>50 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bundle</td>
<td>200 ft / 4 rolls</td>
</tr>
<tr>
<td>Box</td>
<td>800 ft / 4 bundles</td>
</tr>
</tbody>
</table>

Related Products:
- Cavity Weep™
- Vent Mat™

Questions about application, installation or ordering?
MTIdry.com/mortar-belt
Ventilation: Your Wall's Drying Engine

Drainage removes bulk liquid moisture from a wall, but a little moisture can still do a lot of damage. The key to drying out a wall assembly is to ventilate the rainscreen drainage gap. Vent Strip ventilates a brick cavity wall below the shelf angle to keep your walls dry and sustainable.

The MTI Advantage

- Maintains Airflow Passage at Top of Brick Veneer Wall Section
- Easy to Install
- 100% Recycled Content

Applications

- Full Brick

Vent Strip is installed on the bottom side of shelf angles, and mortar is tuck pointed below Vent Strip on top course of brick.
Installation

- Adhere compressible filler (expansion strip) to the bottom of the shelf angle.
- Install 4 9/16" Vent Strip™ with back edge of Vent Strip abutting the fabric face of the Sure Cavity™ and front edge extending approximately 1" past the front edge of shelf angle expansion material. Hold in place with dime size dabs of adhesive.
- Install course of brick below Vent Strip and tuck point in mortar between Vent Strip and brick.
- Tool joint and cut excess Vent Strip off while mortar is still plastic.

Complete Installation at MTIdry.com/installation

Technical Information

<table>
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<tbody>
<tr>
<td></td>
<td>Corrugated plastic made of 0.6 mm pre-consumer recycled high-impact polystyrene.</td>
</tr>
</tbody>
</table>

Vent Strip

VS 3845

\[
\frac{1}{8}'' \quad 0.024'' \\
(0.6 \text{ mm})
\]

Field-trim to appropriate width for masonry unit & cavity dimensions

<table>
<thead>
<tr>
<th>Roll</th>
<th>50 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bundle</td>
<td>150 ft / 3 rolls</td>
</tr>
<tr>
<td>Box</td>
<td>900 ft / 6 bundles</td>
</tr>
</tbody>
</table>

Related Products:

- Head Joint Weep™
- Sure Cavity Rainscreen™

Questions about application, installation or ordering?

MTIdry.com/vent-strip
Keep Basements Dry With MTI

Damp and dreary basement? Transform it into a comfortable living space with MTI's basement systems. Floor Edging separates the floor from walls and footings, creating a path for moisture to pass under the slab and to the drain field & drain tile system.

The MTI Advantage

- Prevents Callbacks
- Foolproof Installation
- Reduces Shrinkage Cracks
- Separates Slab from Walls & Substrate to Prevent Moisture & Thermal Transfer
- Installed in Over 300,000 Basements
- 100% Recycled Content
- New Construction & Retrofits

Applications

- Interior Below Grade
- Soffit Ventilation for Brick & Stone

Floor Edging allows water to pass below the slab to the drain tile & drain field and out through a sump pump.

4' sections of Floor Edging are easy to install in new & renovated basements.

Floor Edging can be used in brick & stone soffit details to vent the rainscreen air gap.
Installation

- Layout Floor Edging™ overlapping ends approximately 2”
- Fabricate inside and outside corners out of Floor Edging with common utility knife
- Select proper floor elevation with story pole or snap chalk line – top edge of Floor Edging must be a minimum of 1” higher than top edge of concrete
- Cover Floor Edging and drain field with poly sheet and pour concrete floor
- For soil gas control use sealant on seams of Floor Edging & Control Cavity (or rigid insulation)

Complete Installation at MTIdry.com/installation

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</table>

Floor Edging™
FE 8555

3/16” (0.6 mm) 0.024” (0.6 mm) 5” 9”

Related Products:
- Control Cavity™
- Vent Mat™

Piece       4 ft
Bundle     40 ft / 10 pieces
Box         240 ft / 60 pieces
Pallet     2,400 ft / 600 pieces

Questions about application, installation or ordering?
MTIdry.com/floor-edging
Keep Basements Dry With MTI

Damp and dreary basement? Transform it into a comfortable living space with MTI’s basement systems. Control Cavity maintains a separation between the masonry walls and moisture sensitive materials of finished walls and directs water to the drain field.

The MTI Advantage

- Resists Temperature & Moisture Transfer
- Foolproof Installation
- Easily Trimmed With Utility Knife
- 100% Recycled Content
- New Construction & Retrofits

Applications

- Interior Below Grade

Control Cavity and Floor Edging create a path for moisture to the drain field, drain tile & sump pump

31.5" rolls of Control Cavity are installed on below grade masonry walls

Control Cavity installed above the footing along below grade masonry walls
Installation

- Install Control Cavity™ with channel pattern running vertically
- Overlap all edges and ends a minimum of 1”
- Overlap horizontal edges shingle fashion to outside concrete or masonry substrate - upper sheet laps behind (back-laps) lower sheet
- Cover entire wall surface, top to bottom, in this fashion
- Mechanically fasten 24” on center with concrete nails or power fastener
- For soil gas control use sealant on seams of Control Cavity or rigid insulation

Complete Installation at MTIdry.com/installation

Notes: Masonry Technology Inc. recommends that all sump baskets, drain tile, and drain field systems be vented. If sump baskets, drain tile, and drain field systems are not vented, MTI recommends that top edge of Floor Edging™ be caulked or sealed off with appropriate material. Control Cavity™ shall not be used as a finished wall surface. Control Cavity™ should be covered with appropriate furring, insulation and finished interior wall materials. When an in-floor heating system is installed, a vented interior drain field and drain system must be installed to release under slab pressure.

Caution: Combustible. Protect from open flame and/or other items producing high heat. It is the buyer’s responsibility to ensure that MTI materials are used in strict conformance with local building codes and regulations.

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<tr>
<td>Fungi Resistance</td>
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</tbody>
</table>

Control Cavity

- CC 4800
- CC 4810

<table>
<thead>
<tr>
<th>Depth (drainage gap)</th>
<th>3/16 in (5mm)</th>
<th>3/8 in (10mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roll Width</td>
<td>31.5”</td>
<td>31.5”</td>
</tr>
<tr>
<td>Roll Length</td>
<td>50 ft</td>
<td>50 ft</td>
</tr>
<tr>
<td>Roll Coverage</td>
<td>132 ft²</td>
<td>132 ft²</td>
</tr>
<tr>
<td>Pallet</td>
<td>4,224 ft²</td>
<td>4,224 ft²</td>
</tr>
</tbody>
</table>

Questions about application, installation or ordering?
MTIdry.com/control-cavity
Drain Block Basement Walls to Stay Dry

Block basement walls are an economical choice but increase the risk of moisture penetration and damp basements. Vent Mat drains block cores into the drain field. Keep your basement dry with MTI's complete below grade moisture management systems.

The MTI Advantage

- Forms Bottom of Bed Joint of Mortar
- Creates Sixteen Weep Holes in Every Block
- Weeps at the Lowest Point of the Wall
- Weeps in Every Core
- Easy to Install Self-Spaced Weeps
- 100% Recycled Content
Installation

1. Place Vent Mat™ on footings with continuous belt centered in block core and legs extending to the interior drain field
2. Place bed joint of mortar on Vent Mat and lay masonry units

Complete Installation at MTIdry.com/installation

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</tbody>
</table>

Vent Mat™
VM 9025

3/16” 0.024” (0.6 mm)

Related Products:
1. Floor Edging™
2. Control Cavity™

Roll
25 ft

Bundle
50 ft / 2 rolls

Box
300 ft / 6 bundles

Pallet
2,400 ft

Questions about application, installation or ordering?
MTIdry.com/vent-mat
Sump Basket
High Capacity, Gas Tight

 Built Tough For The Long Haul

Make the most out of your sump system by using a large capacity sump basket that reduces sump pump motor cycling. Keep your basement dry with MTI’s complete below grade moisture management systems.

The MTI Advantage

- Eliminates Constant Cycling
- Reduces Motor Burnout
- 3-Part Mechanically Attached Lid
- Access Panel for Sump & Electrical Supply
- Gas Tight Lid

Applications

- Interior Below Grade

30” tall, 30 gallon capacity sump basket
Installation

- Remove fill to 44" below floor level and prepare hole for sump basin by adding 10 - 12" of 1¼" hard aggregate
- Drill 3/4" holes every 8" on-center on sides & bottom of sump basket
- Place sump basket in hole, connect to drain tile system, and fill hole with 1¼" hard aggregate
- Install sump pump per manufacturer’s instructions and seal gas tight sump basket lid
- Cover soil & aggregate with a 6 mil poly and pour concrete patch, sloped to sump basket lid

Complete Installation at MTIdry.com/installation

Technical Information

<table>
<thead>
<tr>
<th>Material</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Injection molded high density structural foam</td>
<td></td>
</tr>
</tbody>
</table>
Renovation Solution for Wet Basements

Transform your basement into a dry and healthy living space. H-Cove is installed around the perimeter to provide a passageway for water to flow to the sump pump.

The MTI Advantage

- Saves Time & Money vs. Drain Field & Drain Tile Installation
- Easy to Install

Applications

- Interior Below Grade Retrofit

H-Cove creates a passageway for water to flow to the sump basket
Installation

- Remove concrete floor around perimeter of slab and clean out all debris
- CMU walls only: Drill holes to penetrate all masonry block cores at lowest point of wall
- Install sump basket & sump pump per manufacturer’s instructions
- Next to sump basket lay Vent Mat™ on footing to create drainage path from H-Cove™ to drain field. Cover drain field with 6 mil poly
- Install H-Cove by placing back flat against the Control Cavity on the foundation wall and front lip on the footing (back bottom lip will sit about 1/2” up from top of footing)
- Field fabricate 45° corner cuts with miter saw or utility knife and cover all connections with duct tape
- Repour concrete

Complete Installation at MTIdry.com/installation

Technical Information

<table>
<thead>
<tr>
<th>Material</th>
<th>Description</th>
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<tr>
<td>.06” (1.523mm) thick rigid extruded PVC</td>
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**H-Cove**

HC 3504

**Related Products:**

- Floor Edging™
- Control Cavity™

Questions about application, installation or ordering?

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Keep Walls Dry
Specify MTI