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

10mm Sure Cavity, Sure Cavity, Gravity Cavity (top to bottom)

Rigid channels don't compress, creating predictable drainage

Thin Stone with Sure Cavity rainscreen drainage plane
### 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>Perforated and corrugated plastic made of 0.6 mm pre-consumer recycled high-impact polystyrene with an adhered spun-bond polypropylene fabric.</th>
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</thead>
<tbody>
<tr>
<td>Drainage Efficiency</td>
<td>Over 97% (ASTM 2273, ICC EG356)</td>
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<tr>
<td>Water Vapor Transmission</td>
<td>8.3 grains/hr-ft² (ASTM E 96-05)</td>
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<td>Permeability</td>
<td>4.2 perm-in (ASTM E 96-05)</td>
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<tr>
<td>Vapor Permeance</td>
<td>20.3 Perms (ASTM E 96-05)</td>
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<tr>
<td>Fungi Resistance</td>
<td>Does not support fungal growth (ASTM C 1338)</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>249 kPa / 5198 psf (ASTM D1621-00)</td>
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<tr>
<td>UV Exposure</td>
<td>Over 9 weeks in accelerated UV testing (ICC EG356, ICC AC48)</td>
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</tbody>
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### Material Sizes

- **Gravity Cavity**
  - GC 1816, GC 1832
    - **Most Economical**
    - Depth (drainage gap): 1/8 in (3mm)
    - Roll Length: 76 ft
    - Roll Width: 15.75 in | 31.5 in
    - Roll Coverage: 100 ft² | 200 ft²
    - Pallet: 6,400 ft² | 6,400 ft²

- **Sure Cavity**
  - SC 5016, SC 5032
    - **Better Protection**
    - Depth (drainage gap): 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 Sure Cavity**
  - SCMM 2516, SCMM 2532
    - **Best Protection & Meets Code in Canada**
    - Depth (drainage gap): 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

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