Every building professional who works with masonry knows the #1 reason masonry buildings fail is moisture trapped behind the veneer. Professionals also know that it is impossible to keep moisture from penetrating the masonry veneer, so the best masonry building designs manage both liquid water and water vapor to allow masonry and substrates to drain quickly and dry completely between wetting events.

Trapped moisture can cause a range of problems for the masonry veneer, building integrity, and occupant health and safety, including:

- Cracking
- Spalling
- Efflorescence
- Mold
- Water in the building
- Air and water leaks around wall openings
- Degraded steel components
- Structural failure

These types of failures can cost big dollars in repairs and may permanently damage the reputations of a project’s contractors and designers.

Mortar Net Solutions is the only company in the industry that specializes exclusively in moisture management solutions for all types of masonry walls, including cavity, single-wythe block and adhered masonry walls. Each solution is designed to help prevent moisture damage, and to be fast and easy to install.

Mortar Net Solutions’ industry-leading moisture management solutions help designers and contractors build projects they can be proud of for a lifetime.
CAVITY WALL CONSTRUCTION
- MortarNet
- WallDefender
- WeepVent & CellVent
- TotalFlash
- CompleteFlash

ADHERED MASONRY CONSTRUCTION
- LathNet
- DriPlane
- WallNet

SINGLE WYTHER CONSTRUCTION
- BlockFlash
- BlockNet
CAVITY WALL CONSTRUCTION

- HouseNet
- WeepVent & CellVent
- TotalFlash
- CompleteFlash

ADHERED MASONRY CONSTRUCTION

- LathNet
- DriPlane
- WallNet
CAVITY WALL CONSTRUCTION

MortarNet
Mortar Dropping Collection Device with Insect Barrier

- Dovetail shape breaks up and suspends mortar droppings in cavity walls on two levels so cavity moisture can drain to the weeps.
- Patented insect barrier helps eliminate insect infestations.
- 90% open-weave mesh provides countless pathways for water to flow to weeps.
- Product is compressible to accommodate standard and variable cavity widths.
- Available in 3/8-inch, 1-inch, 1-1/2-inch, and 2-inch nominal thicknesses.


WallDefender
Mortar Dropping Collection Device

- Dovetail shape breaks up and suspends mortar droppings in cavity walls on two levels so moisture can drain to the open weeps.
- 90% open-weave mesh provides countless pathways for water to flow to weeps.
- Product is compressible to accommodate standard and variable cavity widths.
- Available in 3/8-inch, 1-inch, 1-1/2-inch, and 2-inch nominal thicknesses.

Helps keep cavity walls dry and flashing functioning properly.

*Insect Barrier
U.S. Patent No. 6,061,090
CAVITY WALL CONSTRUCTION

HouseNet
Residential Mortar Dropping Collection Device

- Dove tail shape breaks up and suspends mortar droppings in cavity walls on two levels so cavity moisture can drain to the weeps
- Patented insect barrier helps eliminate insect infestations
- 90% open weave mesh provides countless pathways for water to flow to weeps
- Product is compressible to accommodate standard and variable cavity widths
- Available in 3/8-inch, 1-inch, and 2-inch nominal thicknesses

WeepVent™ & CellVent™
Keeps Weep Holes Open, Insects and Debris Out

- WeepVent and CellVent ensure that moisture can migrate out and air can flow in providing a path for moisture to drain to the exterior face of the wall which will accelerate drying
- Can be placed at the top and bottom of the wall allowing air to circulate in the cavity keeping the wall drier
- WeepVent is made of 90% open weave mesh
- CellVent is made of durable polypropylene

WeepVent™ Available in brown, red, tan, almond, gray, white, and black.

CellVent™ Available in black, brown, cocoa, tan, gray, white, and clear.

MORTAR DROPPING
Collection Devices

Brick Veneer Wall

HouseNet™
Mortar Dropping Collection Device

WeepVent™ or CellVent™
Promotes drainage and airflow, keeps insects and debris out

“Insect Barrier U.S. Patent No. 8,061,070
Cavity Wall Construction

**TotalFlash® Panel**
Factory-Assembled Masonry Cavity Wall Flashing System

- Pre-assembled 5-foot 6-inch panels (3-foot net) with membrane, drip edge, 90% open-weave drainage mesh, anchor screws and termination bar to ensure all components are installed in the wall
- Pre-assembled panels can be custom sized to fit all masonry openings, such as door and window openings
- Optional membranes, drip edges, and termination bars available
- Combine with CompleteFlash pre-formed injection molded corner boots and end dams, metal corners, BTL-1 sealant, and WeepVent or CellVent to complete the system

**TotalFlash® Roll**
Factory-Assembled Masonry Cavity Wall Flashing System

- Pre-assembled system combines flashing membrane, 90% open-weave drainage mesh and weep tabs into a single easy-to-install 50-foot roll
- Customizable with various membranes
- Combine with CompleteFlash pre-formed injection molded corner boots and end dams, termination bar, drip edge, metal corners, BTL-1 sealant, and WeepVent or CellVent to complete the system

U.S. Patent No. 7,543,414
CAVITY WALL CONSTRUCTION

CompleteFlash®
Pre-formed Inside/Outside Corner Boots and End Dams
- Injection molded seamless end dams and corner boots for complete moisture protection
- Eliminates the uncertainty of field fabrication
- Available in thermoplastic polyolefin (TPO) and synthetic rubber (SR) compatible with all membranes and air barriers on the market
- 14-inch tall Inside and Outside Corner Boots provide one piece protection
- End Dams available in 4-inch and 6-inch widths to fit most bed depths

Metal Corners
Use with Conventional Flashing, TotalFlash, and CompleteFlash
- Pre-formed Metal 90 Degree Corner
  - Available in stainless steel, cold-rolled copper, and four colors of Kynar®-coated galvanized steel
  - Creates a clean looking corner and eliminates sharp corner edges
- Adjustable Inside/Outside Metal Corner
  - Available in 28 gauge stainless steel, 24 gauge cold-rolled copper, and four colors of 24 gauge Kynar®-coated galvanized steel
  - Can be adjusted from 22 degrees to 325 degrees to fit custom requirements
  - Creates a clean looking corner and eliminates sharp corner edges
  - US Patent No. 9,151,039

Drip Edges
Use with Conventional Flashing, TotalFlash, and CompleteFlash
- Metal Drip Edge
  - Stainless Steel
  - Copper
  - Kynar-coated terra cotta
  - Kynar-coated almond
  - Kynar-coated gray
  - Kynar-coated tan
- All drip edges are made with a 3/8-inch factory hemmed edge
- Available in 3-inch wide x 5-foot lengths

BTL-1
Synthetic Rubber Butyl Sealant
- Permanently elastic and tacky
- Bonds aggressively to all types of flashings, masonry materials, types of metal, sheeting (wood or composite materials found in flashing applications)
- Low VOC, no primer required, excellent chemical resistance, and can be installed in temperatures between 40 and 95 degrees Fahrenheit

Termination Bars
Use with Conventional Flashing, TotalFlash, and CompleteFlash
- Permanently mechanically fastens flashings to substrates for the life of the structure
- Pre-drilled holes for mounting structure
- Available in High Density PVC, Stainless Steel, and Stainless Steel with Lip

Brick Veneer Wall
BTL-1 Sealant
CompleteFlash™
Pre-formed Injection Molded End Dam
CompleteFlash™
Pre-formed 14-inch Injection Molded Corner
Pre-formed Metal 90 Degree Corner
**Adhered Masonry Construction**

**LathNet**
- Factory-assembled self-taping dimpled metal lath with drainage mesh mechanically fastened with built-in overlap
- Designed for use with stucco, thin brick, thin stone, cultured stone and other types of adhered masonry
- Provides a continuous drainage plane and air flow between the scratch coat and weather resistant barrier
- Allows full lath encapsulation of scratch coat without clogging the drainage plane
- Available in 2.5 or 3.4 pound lath with 1/4-inch or 3/8-inch mesh

**WallNet**
- 90% open-weave polyester mesh, provides countless pathways for water to flow to the flashing
- Provides continuous drainage behind all types of stucco, adhered masonry, rainscreen walls, and lap siding applications
- Available in 1/4-inch, 3/8-inch, 1-inch, and 2-inch thicknesses

**DriPlane**
- Polypropylene mesh bonded to a water and vapor-permeable fabric and may eliminate the need for a second layer of weather resistant barrier (check local codes)
- Provides continuous drainage behind all types of stucco, adhered masonry, rainscreen walls, and lap siding applications
- Allows complete encapsulation of metal lath in all scratch coat applications
- Available in 1/4-inch, 3/8-inch, and 3/4-inch thicknesses
SINGLE WYTHE CONSTRUCTION

BlockFlash®
The Complete Flashing Solution for Single Wythe Concrete Masonry Unit Walls and Structural Brick

- Applicable in all CMU wall flashing locations, including base of wall, bond beams over masonry openings and within the walls, and over structural steel members at flashing courses
- Available for 6-inch, 8-inch, 10-inch, and 12-inch standard or insulated Concrete Masonry Units (CMU) and structural brick. Can also be used with core insulation systems
- Drainage Mat protects weep spout from clogging
- Eliminates the need for multiple architectural CMU sizes typical with stop down through-wall flashings
- Provides 10 times greater bond strength at the base of the wall than a membrane through-wall flashing system

7" x 14" Drainage Mat
Place in open cell directly above BlockFlash® Pan

BlockFlash® with Connector Bridge

U.S. Patent No. 7,448,175

Mortar Net Solutions

DRAINAGE SYSTEM
For Concrete Masonry Unit

BlockNet®
Continuous Single Wythe Drainage System for Concrete Masonry Unit Walls

- Applicable in all flashing locations, including base of wall, at bond beams, over masonry openings and within the walls, and over steel structural steel members at flashing courses
- Can be installed in 8-inch, 10-inch and 12-inch fully grouted walls without reducing the effect of the reinforcing. Can also be used in 6-inch unreinforced walls.
- 28 gauge stainless steel drainage section collects moisture on a pitched drip edge and channels it to the exterior of the building through weep tabs placed every 4 inches

7" x 7" Drainage Mat

BlockNet®
- Rear Water Dam
- Factory-attached 90% Open-weave Drainage Mesh
- Weep Tabs
- Drip Edge, 28 gauge stainless steel

U.S. Patent No. 7,216,460

mortar.net.com - 800.664.6638
### MortarNet™ with Insect Barrier™

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Height</th>
<th>Length</th>
<th>LF/Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot;</td>
<td>10&quot;</td>
<td>5'</td>
<td>100</td>
</tr>
<tr>
<td>1&quot;</td>
<td>10&quot;</td>
<td>5'</td>
<td>100</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>10&quot;</td>
<td>5'</td>
<td>100</td>
</tr>
<tr>
<td>2&quot;</td>
<td>10&quot;</td>
<td>5'</td>
<td>100</td>
</tr>
</tbody>
</table>

### WallDefender®

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Height</th>
<th>Length</th>
<th>LF/Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot;</td>
<td>10&quot;</td>
<td>5'</td>
<td>100</td>
</tr>
<tr>
<td>1&quot;</td>
<td>10&quot;</td>
<td>5'</td>
<td>100</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>10&quot;</td>
<td>5'</td>
<td>100</td>
</tr>
<tr>
<td>2&quot;</td>
<td>10&quot;</td>
<td>5'</td>
<td>100</td>
</tr>
</tbody>
</table>

### WeepVent™

Available in Brown, Red, Tan, Almond, Gray, White & Black

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Height</th>
<th>Length</th>
<th>Pieces per Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>2&quot;</td>
<td>3-1/2&quot;</td>
<td>125</td>
</tr>
<tr>
<td>Jumbo</td>
<td>2-1/2&quot;</td>
<td>3-1/2&quot;</td>
<td>125</td>
</tr>
<tr>
<td>Special</td>
<td>2-1/2&quot;</td>
<td>2-1/2&quot;</td>
<td>125</td>
</tr>
</tbody>
</table>

### HouseNet™ with Insect Barrier™

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Height</th>
<th>Length</th>
<th>LF/Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot;</td>
<td>7-3/4&quot;</td>
<td>5'</td>
<td>80</td>
</tr>
<tr>
<td>1&quot;</td>
<td>7-3/4&quot;</td>
<td>5'</td>
<td>80</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>7-3/4&quot;</td>
<td>5'</td>
<td>80</td>
</tr>
<tr>
<td>2&quot;</td>
<td>7-3/4&quot;</td>
<td>5'</td>
<td>80</td>
</tr>
</tbody>
</table>

### TotalFlash® Panels

<table>
<thead>
<tr>
<th>Height</th>
<th>Length of Panels</th>
<th>Panels per Box</th>
<th>LF/Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot;-20&quot;</td>
<td>5'-6&quot;</td>
<td>10</td>
<td>50</td>
</tr>
<tr>
<td>18&quot;-24&quot;</td>
<td>5'-6&quot;</td>
<td>10</td>
<td>50</td>
</tr>
</tbody>
</table>

### TotalFlash® Rolls

<table>
<thead>
<tr>
<th>Height</th>
<th>Length per Roll</th>
<th>Rolls per Box</th>
<th>LF/Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot;-20&quot;</td>
<td>50&quot;</td>
<td>3</td>
<td>150</td>
</tr>
<tr>
<td>18&quot;-24&quot;</td>
<td>50&quot;</td>
<td>2</td>
<td>100</td>
</tr>
</tbody>
</table>

### Metal Corners

Available in Stainless Steel, Kynar coated & Copper

<table>
<thead>
<tr>
<th>Available Size (W x L)</th>
<th>Pieces per Pack</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 Degree Corner</td>
<td>3&quot; x 7-1/2&quot;</td>
</tr>
<tr>
<td>Adjustable Corner</td>
<td>3&quot; x 7-1/2&quot;</td>
</tr>
</tbody>
</table>

### BTL-1™ Synthetic Rubber Sealant

<table>
<thead>
<tr>
<th>Size of Tubes</th>
<th>Tubes per Case</th>
<th>LF Coverage per Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.3 oz</td>
<td>12</td>
<td>Approx. 100</td>
</tr>
</tbody>
</table>

### Termination Bars

Available

<table>
<thead>
<tr>
<th>Width</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1/4&quot;</td>
<td>1/8&quot; thick</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>16 gauge</td>
</tr>
</tbody>
</table>

### Drip Edges

Available

<table>
<thead>
<tr>
<th>Size per Piece</th>
<th>Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stainless Steel</td>
<td>28</td>
</tr>
<tr>
<td>Kynar-coated</td>
<td>24</td>
</tr>
<tr>
<td>Galvanized Steel</td>
<td>24</td>
</tr>
</tbody>
</table>

### CompleteFlash®

<table>
<thead>
<tr>
<th>Inside Corner Boot</th>
<th>6&quot; x 6&quot; x 14&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside Corner Boot</td>
<td>6&quot; x 10&quot; x 14&quot;</td>
</tr>
<tr>
<td>Universal End Dams</td>
<td>4&quot; x 4&quot; x 3&quot;</td>
</tr>
<tr>
<td>Right/Left End Dams</td>
<td>4&quot; x 6&quot; x 3&quot;</td>
</tr>
</tbody>
</table>

Please note: Kynar-coated and cold-rolled copper are special order and may have a lead time.

### Single Wythe Products

### BlackFlash™

<table>
<thead>
<tr>
<th>Size</th>
<th>Pieces Per Box</th>
<th>LF/Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;, 8&quot;, 10&quot;, &amp; 12&quot;</td>
<td>100 pairs &amp; 100 drainage mats</td>
<td>Approx. 67</td>
</tr>
</tbody>
</table>

### BlockNet®

<table>
<thead>
<tr>
<th>Pieces Per Box</th>
<th>LF/Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-6&quot; strips &amp; 150 drainage mats</td>
<td>110 usable</td>
</tr>
</tbody>
</table>

### LothNet™

<table>
<thead>
<tr>
<th>Weight of Lath</th>
<th>Thickness of Mesh</th>
<th>Size of Sheets</th>
<th>SF/Sheet</th>
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</thead>
<tbody>
<tr>
<td>2.5 pounds</td>
<td>1/4&quot; or 3/8&quot;</td>
<td>2'&quot; x 97&quot;</td>
<td>18</td>
</tr>
<tr>
<td>3.4 pounds</td>
<td>1/4&quot; or 3/8&quot;</td>
<td>2'&quot; x 97&quot;</td>
<td>18</td>
</tr>
</tbody>
</table>

### DriPlane™

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Roll Size</th>
<th>SF/Roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>48&quot; x 65&quot;</td>
<td>260</td>
</tr>
<tr>
<td>3/8&quot; (10mm)</td>
<td>48&quot; x 45&quot;</td>
<td>180</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>48&quot; x 50&quot;</td>
<td>200</td>
</tr>
</tbody>
</table>

### WallNet®

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Roll Size</th>
<th>SF/Roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>30&quot; x 100&quot;</td>
<td>125</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>30&quot; x 50&quot;</td>
<td>125</td>
</tr>
<tr>
<td>1&quot;</td>
<td>30&quot; x 40&quot;</td>
<td>100</td>
</tr>
<tr>
<td>2&quot;</td>
<td>30&quot; x 20&quot;</td>
<td>50</td>
</tr>
</tbody>
</table>