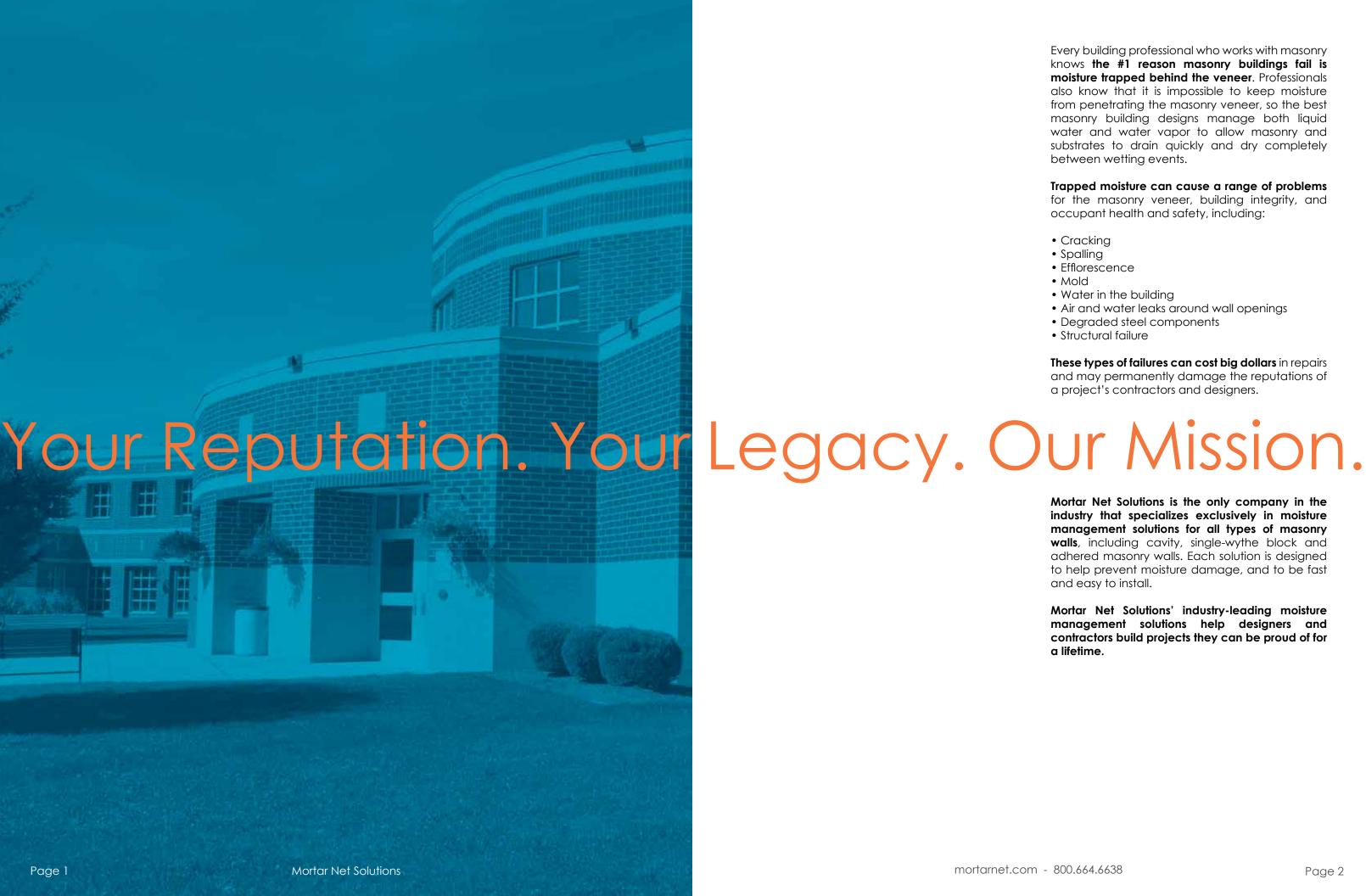# Product Brochure

Mortar Net SOLUTIONS

Masonry Drainage and Ventilation Products

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.

Your Reputation. Your Legacy. Our Mission.

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 WYTHE CONSTRUCTION

- BlockFlash
- BlockNet

CAVITY WALL CONSTRUCTION

- HouseNet
- WeepVent & CellVent
- TotalFlash
- CompleteFlash

ADHERED MASONRY CONSTRUCTION

- LathNet
- DriPlane
- WallNet

Brick Veneer Wall

MortarNet™ *
Mortar Dropping
Collection Device

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

*Insect Barrier
U.S. Patent No.
8,061,090

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

Over 25 years of installations.
Thousands of walls. Not a single wall failure.

WallDefender®

Mortar Dropping Collection Device

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Helps keep cavity walls dry and flashing functioning properly.

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WallDefender®
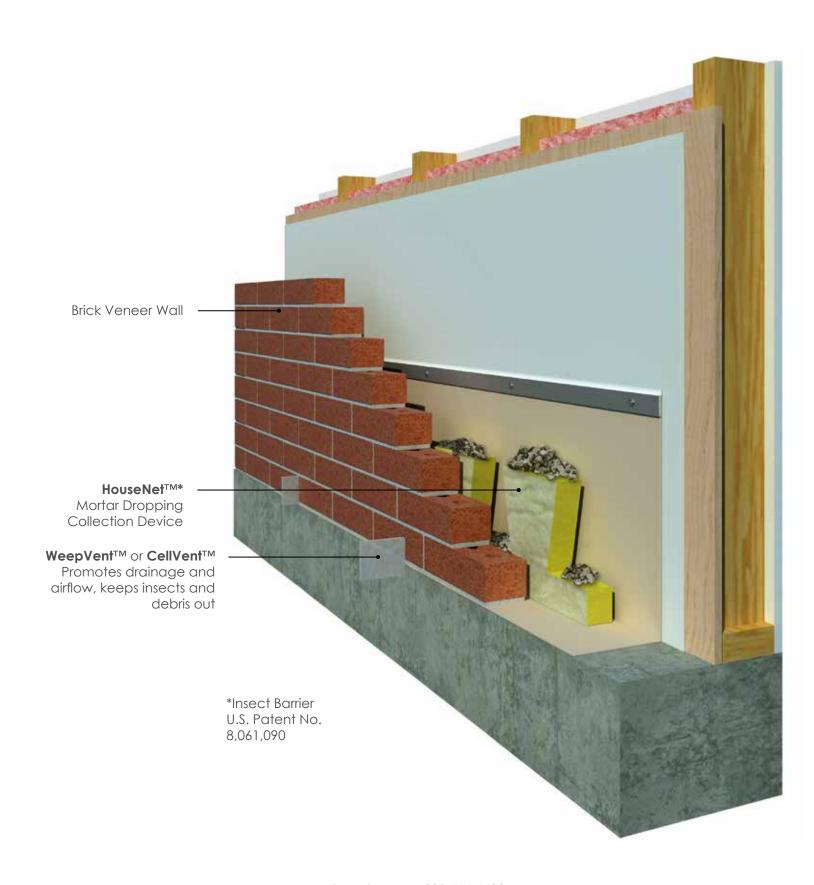
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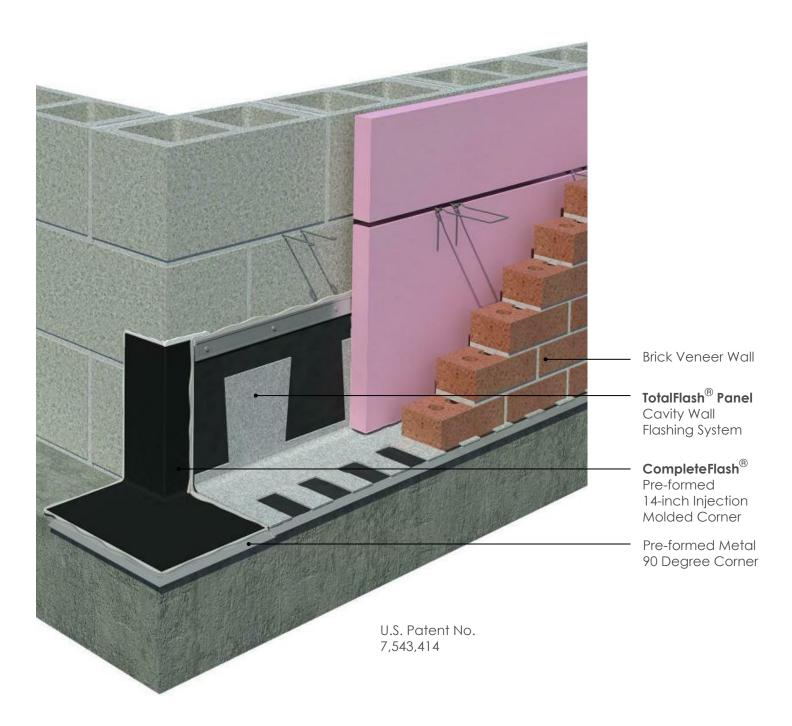- Available in 3/8-inch, 1-inch, 1-1/2-inch, and 2-inch nominal thicknesses

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.
8,061,090

Brick Veneer Wall

TotalFlash® Panel
Cavity Wall
Flashing System

CompleteFlash®
Pre-formed
14-inch Injection
Molded Corner

Pre-formed Metal
90 Degree Corner

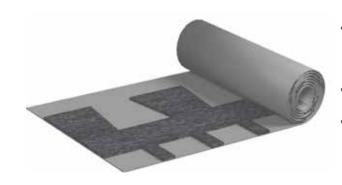U.S. Patent No.
7,543,414

TotalFlash® Panel

Factory-Assembled Masonry Cavity Wall Flashing System

• Pre-assembled 5-foot 6-inch panels (5-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
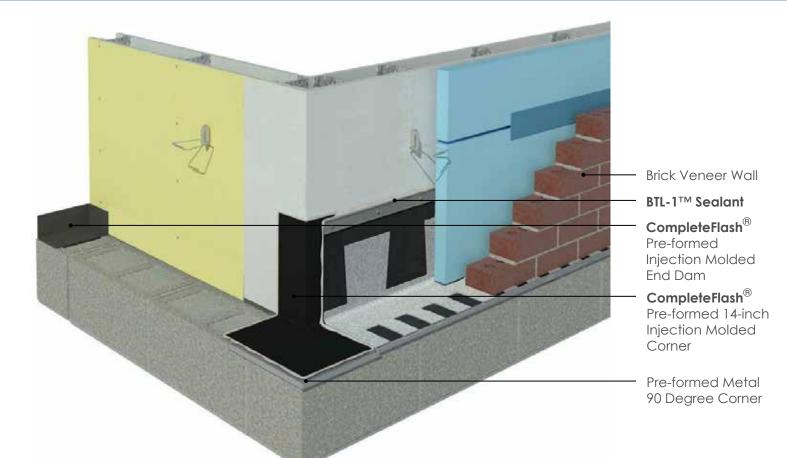
TotalFlash® Roll

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

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

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

- Available in 28 gauge stainless steel, 24 gauge cold-rolled copper, and four colors of 24 gauge Kynar®-coated galvanized steel

- 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, sheathing (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 substrate for the life of the structure

- Pre-drilled holes for mounting screws

- Available in High Density PVC, Stainless Steel, and Stainless Steel with Lip

▢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
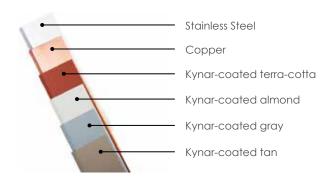
Adjustable Inside/Outside Metal Corner

- 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

Custom Metal Drip Edge

- Available in stainless steel, cold-rolled copper, and four colors of Kynar®-coated galvanized steel

- Factory produced ensures consistent quality for a perfect fit around architectural details including columns, piers, and stone corners
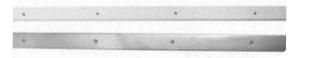
⊔LathNet™

Drainage Plane and Metal Lath System for Adhered Masonry Veneers

- Factory-assembled self-furring 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

LathNet ™
Combination lath & mechanically fastened drainage mesh. May eliminate the need for a second layer of weather resistant barrier (check local codes)

Panels overlap shingle-style providing code compliant spacing on all vertical and horizontal joints

U.S. Patent No. 9,366,033

⊔WallNet®

Continuous Drainage Plane Behind Rainscreen Systems, and Stone and Stucco Veneers

- 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™

Drainage Plane for Exterior Rainscreen Systems

- 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

▽ 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 step down through-wall flashings

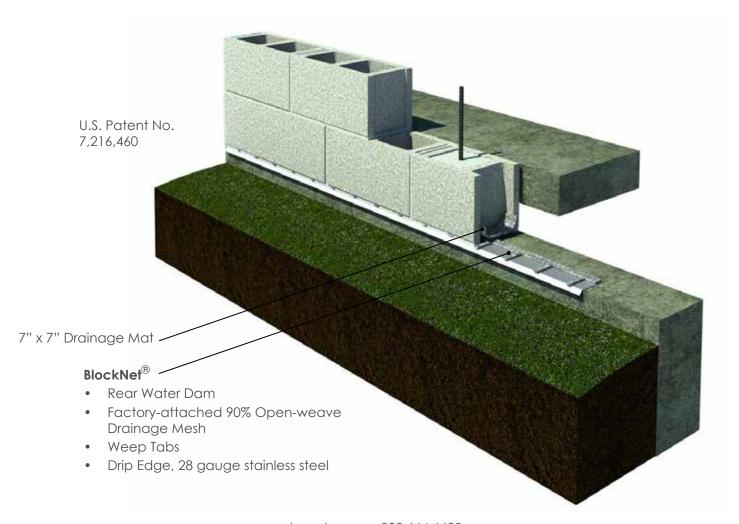- Provides 10 times greater bond strength at the base of the wall than a membrane through-wall flashing system

7" x 14" Drainage Mat
(Place in open cell directly
above **BlockFlash™** Pan)

BlockFlash™ with
Connector Bridge

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

▽ 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

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

7" x 7" Drainage Mat

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

CAVITY WALL PRODUCTS

MortarNet™ with Insect Barrier™

Thickness	Height	Length	LF/Box
3/8"	10"	5'	250
1"	10"	5'	100
1-1/2"	10"	5'	100
2"	10"	5'	100

WeepVent™

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

	Thickness	Height	Length	Pieces per Box
Standard	1/2"	2-5/8"	3-1/2"	125
Jumbo	1/2"	3-1/2"	3-1/2"	125
	1/2"	4"	4"	125
Special Sizes	1/2"	2"	2"	125
	1/2"	3-1/2"	7-5/8"	125
	1/2"	2-1/2"	4"	125

CellVent™

Available in Black, Brown, Cocoa, Tan, Gray, White & Clear

	Thickness	Height	Length	Pieces per Box
Standard	3/8"	2-1/2"	3-3/8"	198
Jumbo	3/8"	3-1/2"	3-3/8"	198

WallDefender ®

Thickness	Height	Length	LF/Box
3/8"	10"	5'	100
1"	10"	5'	100
1-1/2"	10"	5'	100
2"	10"	5'	100

HouseNet™ with Insect Barrier™

Thickness	Height	Length	LF/Box
3/8"	7-3/4"	5'	80
1"	7-3/4"	5'	80
2"	7-3/4"	5'	80

TotalFlash® Panels

Height	Length of Panels	Panels per Box	LF/Box
12"	5'-6"	10	50
18"	5'-6"	10	50
24"	5'-6"	10	50

TotalFlash® Rolls

Height	Length per Roll	Rolls per Box	LF/Box
12"	50'	3	150
18"	50'	2	100
24"	50'	1	50

CAVITY WALL PRODUCTS: ACCESSORIES

Metal Corners

Available in Stainless Steel, Kynar coated & Copper

Available	Size (W x L)	Pieces per Pack
90 Degree Corner	3" x 7-1/2"	10
Adjustable Corner	3" x 7-1/2"	10

(22 degrees to 325 degrees)

Drip Edges

Available	Size per Piece	Gauge
Stainless Steel	5' long x 3" wide with 3/8" hemmed edge	28
*Kynar-coated Galvanized Steel	5' long x 3" wide with 3/8" hemmed edge	24
Cold-rolled Copper	5' long x 3" wide with 3/8" hemmed edge	24

* Kynar available in terra-cotta, almond, gray & tan

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

BTL-1™ Synthetic Rubber Sealant

Size of Tubes	Tubes per case	LF Coverage per case
10.3 oz	12	Approx. 100

Termination Bars

Available	Width	Thickness
PVC	1-1/4"	1/8" thick
Stainless Steel	1-1/4"	16 gauge
Stainless Steel with Lip	1-1/4"	16 gauge (1/4" lip)

CompleteFlash®

Available	Size (D x W x H)	Pieces per Box
Inside Corner Boot	6" x 6" x 14"	25
Outside Corner Boot	6" x 10" x 14"	25
Universal End Dams	4" x 4"x 3"	50
Right/Left End Dams	4" x 6" x 3"	25 Left & 25 Right

SINGLE WYTHE PRODUCTS

BlockFlash™

Size	Pieces Per Box	LF/Box
6", 8", 10" & 12"	100 pans & 100 drainage mats	Approx. 67

BlockNet®

Pieces Per Box	LF/Box
20- 6' strips & 150 drainage mats	110 usable

ADHERED MASONRY PRODUCTS

LathNet™

Weight of Lath	Thickness of Mesh	Size of Sheets	SF/Sheet
2.5 pounds	1/4" or 3/8"	27" x 97"	18
3.4 pounds	1/4" or 3/8"	27" x 97"	18

DriPlane™

Thickness	Roll Size	SF/Roll
1/4"	48" x 65'	260
3/8" (10mm)	48" x 45'	180
3/4"	48" x 50'	200
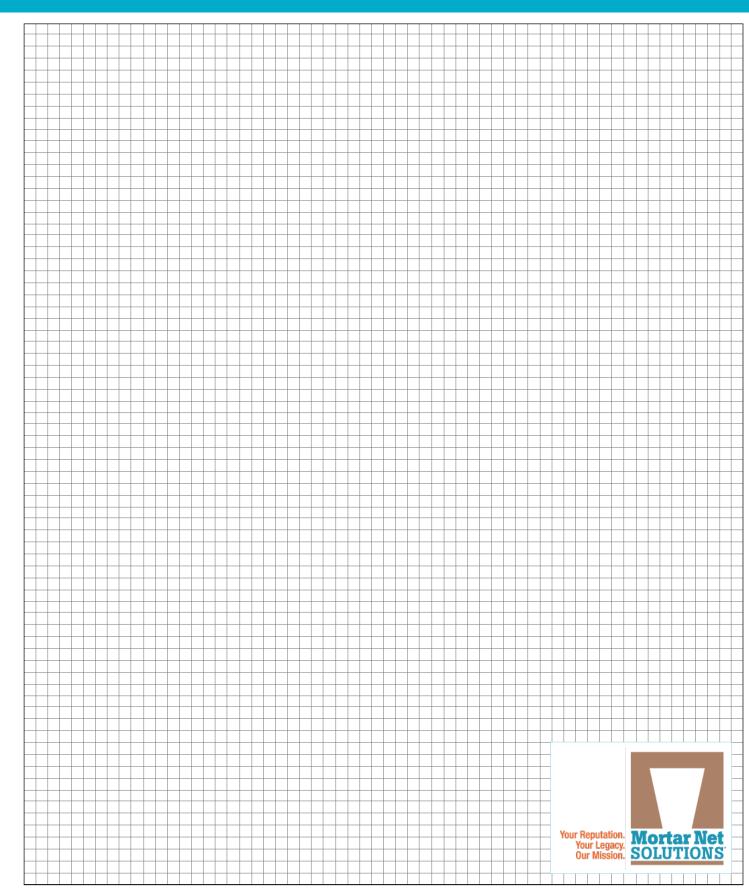
WallNet®

Thickness	Roll Size	SF/Roll
1/4"	30" x 100'	250
3/8"	30" x 50'	125
1"	30" x 40'	100
2"	30" x 20'	50

2018.V1