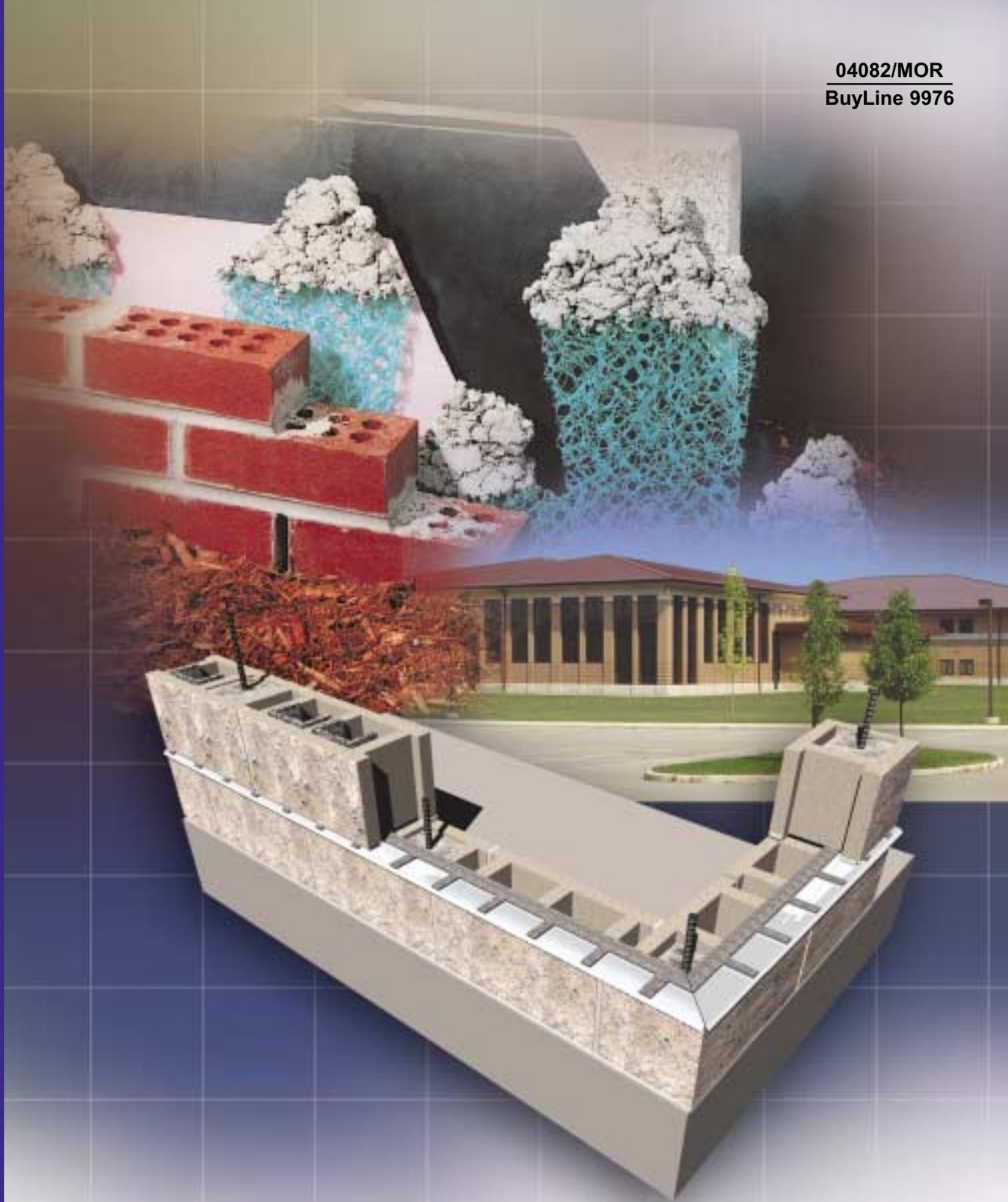


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BuyLine 9976

THE MORTAR NET™ DRAINAGE SYSTEM



**ELIMINATES
WEEP HOLE BLOCKAGE**
from Mortar Droppings and
Assures Correct Moisture
Migration to Weep Holes

U.S. Patent Reissue No. 36,676



Mortar Net™
The Difference Is In *The Cut.*

ENSURE WALLS BREATHE, DRAIN AND DRY QUICKLY. SPECIFY MORTAR NET EVERY TIME!

THE MORTAR NET™ DRAINAGE SYSTEM

Mortar Net™ and BlockNet™ are the leading mortar dropping collection products providing the solution for clogged weep holes in brick cavity and single wythe construction.

Mortar Net™ for brick, featuring a patented dovetail shape and 90% open-mesh weave, catches and suspends mortar droppings and other debris above the weep holes. Mortar Net™ prevents the mortar from forming a barrier against necessary water flow, allowing for the free migration of moisture from the wall to the weep holes.

BlockNet™ includes a flashing and mesh material for concrete masonry units (CMU) construction. When properly installed, BlockNet™ will form a continuous drainage system along the entire perimeter of the building and will direct moisture to the weep holes.

The efficient management of moisture that Mortar Net™ and BlockNet™ provides, eliminates efflorescence on interior and exterior masonry walls, prevents damage caused by freeze/thaw cycles and is the first step in preventing conditions that allow mold to develop, ensuring optimum performance of the walls.

Mortar Net™ Weep Vents are used in conjunction with Mortar Net™ for brick to prevent insects and debris from clogging weep holes as well as ensuring that masonry walls maintain their finished appearance.

Features and Benefits

- Suspends mortar droppings above weep holes.
- Prevents mortar damming for proper water flow and air circulation.
- Mortar Net™ for brick is lightweight for inexpensive transporting, eliminates fastener and adhesives.
- Unique patented design and mesh material permit air and water to move through the material.
- Mortar Net™ for brick is compressible to allow for cavity wall size variations.
- Durable, non-reactive material lasts the life of the building.
- Resists UV and insect damage.
- Inexpensive—eliminates the need for any other products to deal with mortar droppings, including pea gravel, cotton wicks and batter boards, so labor costs are reduced.

how it works

HOW MORTAR NET™ WORKS

Mortar Net™ for brick is used in traditional masonry, steel and wood stud cavity wall construction. Mortar Net™ is placed on top of the flashing inside the wall cavity where it catches and permanently suspends mortar droppings above the level of the weep holes and flashing.

Mortar Net™ is easy to use. It requires no fasteners or adhesives, no special skills or tools. After the first one or two courses of bricks are laid, place a continuous row of Mortar Net™ in the cavity or collar joint on the flashing against the inside of the outer wythe at the base of the wall.

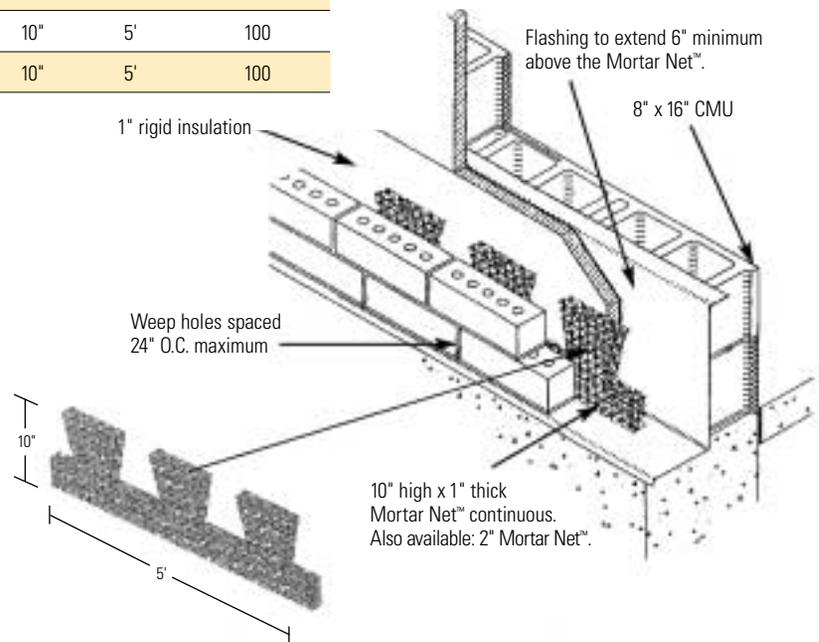
To prevent mortar bridging between the outer wythe and inner wall, install flashing and any material used as filler to match cavity width to product size extending from the bottom of Mortar Net™ to at least 6" above the top of Mortar Net™.

Mortar Net™ .4" and 1" material is made of high-density polyethylene. Mortar Net™ 2" is made of recycled polyester. This material will not oxidize, rot, promote mold or fungus, or react with other common building materials such as mortar, cement, asphalt, modified bitumen, PVC, copper, or galvanized metal, thereby ensuring long-term performance for all materials.

MORTAR NET™ SIZES

WIDTH	HEIGHT	LENGTH	PACKAGE QTY.
4"	10"	5'	250
1"	10"	5'	100
2"	10"	5'	100

U.S. Patent Reissue No. 36,676



COMPARATIVE STUDY RESULTS

Comparative Study of the Effectiveness of Two Wall Drainage Systems Used in Masonry Cavity Wall Construction

Test Method: ASTM E-514 (modified)

Test Date: December 4, 1994

Test Performed by: Robert L. Nelson & Associates Construction Materials Laboratory (847) 882-1146

Complete test results are available upon request.

TEST RESULTS

Drainage System

First Visible Water on Cavity Side of Brick
Appearance of Flowing Water on Cavity Side of Brick

Water Volume Passing Through Weep Hole at the Brick Wythe Face:

- After 3 Hours
- After 72 Hours

WALL A

Mortar Net™

10 minutes

17 minutes

2.6 gal/hr.

2.9 gal/hr.

WALL B

Pea Gravel

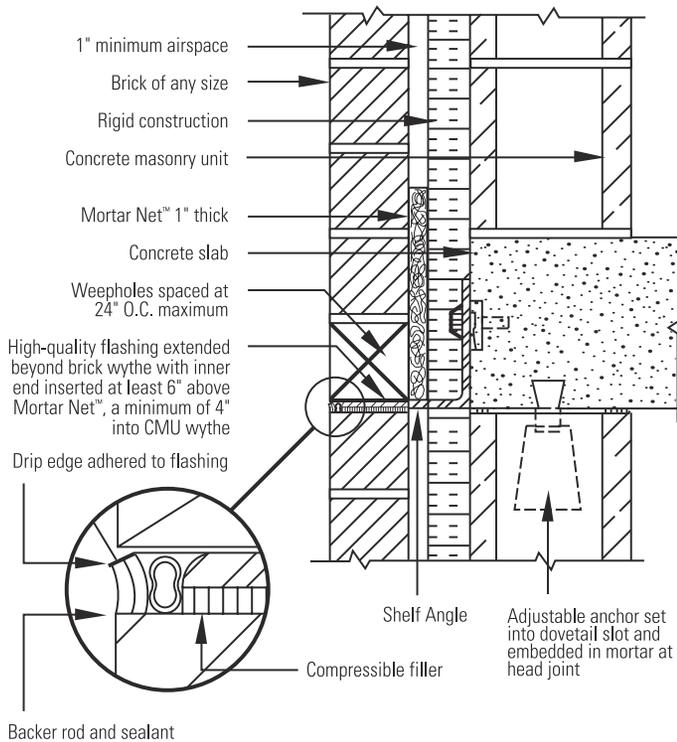
7 minutes

16 minutes

.51 gal/hr.

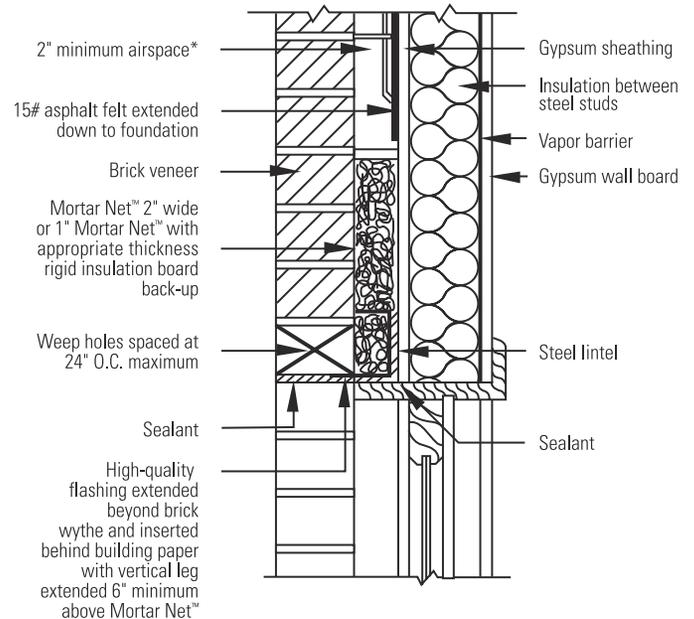
1.06 gal/hr.

**CAVITY WALL
TYPICAL SHELF ANGLE DETAIL**



NOTE: For 2" wide airspace use Mortar Net™ 2" thick, or two 1" thick Mortar Net™, or use 1" Mortar Net™ and fill excess space behind Mortar Net™ with rigid insulation board of appropriate size extending at least 6" above the top of Mortar Net™.

**BRICK VENEER/STEEL STUD
TYPICAL SECTION AT WINDOW HEAD**



* As per Brick Institute of America recommendation.

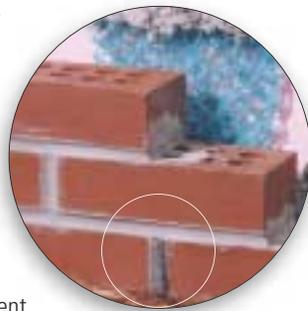
MORTAR NET™ WEEP VENTS

Mortar Net™ Weep Vents are the easy way to ensure brick cavity and single wythe block construction masonry walls maintain their finished appearance and drain correctly for life.

For years, weep holes have been blocked by insects or debris, resulting in efflorescence and other damage caused by water or improper air movement.

To ensure walls always breathe, drain, and dry quickly, and to keep out insects, specify Mortar Net™ Weep Vents for all your buildings.

Just 2.5" x 3.5" x .5", our Weep Vents could not be easier or quicker to install. Made from recycled polyester with a 90% open mesh and bonded with a flame-retardant adhesive to provide resilience and strength, they're available in a choice of attractive colors to match the mortar being used—white, brown, tan, gray, almond, or red. Their installation adds to the beauty of the wall by duplicating the texture and color of mortar, thus eliminating open holes and dark shadows. Special sizes are available upon request.



specifications

Mortar Net™ (Masonry)

Cavity Drainage Protection: Provide trapezoidal-shaped recycled polyester/polyethylene mesh to maintain airflow and drainage while suspending mortar droppings at unequal heights. Provide one or more thickness as required to fill cavity width. Install per manufacturer's instructions. Independent test report provided upon request.

Mortar Net™ Weep Vent

Weep Hole Vent: Provide UV-resistant recycled polyester mesh inserted in open head joint. Match color selection with mortar color.

Product Subject to Compliance

Mortar Net™ and Mortar Net™ Weep Vents are manufactured by *Mortar Net USA, Ltd.*

Phone: 1-800-664-6638

Sweet's BuyLine: 9976

For full specifications and complete technical data on all the Mortar Net™ products, please visit our Web site at www.mortarnet.com.

For more information or to place an order, contact Mortar Net at

800-664-6638 or www.mortarnet.com

Printed in the U.S.A.

SINGLE WYTHE BLOCK WALL DRAINAGE SYSTEM

The BlockNet™ system by Mortar Net USA, Ltd. is the first and only product that reliably protects single wythe concrete block walls from the damage caused by water infiltration. By providing an open path by which water can migrate to the exterior of the building while simultaneously preventing mortar droppings from blocking that path, the BlockNet™ system allows the free migration of moisture from the interior of the block cells to the building exterior.

BlockNet's unique design helps keep the wall interior dry, reducing or eliminating the moisture buildup that can promote mold and create structural damage due to freeze/thaw cycles. In addition, it helps preserve a building's exterior and interior appearance by preventing efflorescence and staining.

The BlockNet™ system is composed of specially shaped 3 3/8" deep stainless steel drainage strips with integrated drip edge, horizontal mesh element and rear water dam, plus a separate vertical mesh element.

The horizontal mesh element of the BlockNet™ system is 1/4-inch thick, 90% open weave plastic bonded to the drainage strip's upper surface.

The mesh will not oxidize, rot, promote mold or fungus growth, or react with other common building materials. It suspends mortar droppings above the stainless steel drainage strip so water flow is unobstructed, plus its unique, integrated weep tabs extend to the outside of the building, eliminating the need for separate weep vents.

The vertical element is composed of 7" x 7" squares of the same mesh, and wicks moisture past mortar droppings and onto the drainage strip. Prickly adhesion between the mesh and the block holds the mesh in place, eliminating the need for adhesives or fasteners and preventing the mesh from collapsing under the weight of mortar droppings. Because the drainage strip extends only 3" into the wall, it will not interfere with properly installed vertical rebar.

BLOCKNET™ SIZES & PACKAGING

BlockNet™ is shipped in boxes of 20, 6' long stainless steel drainage strips, plus 150 vertical elements. Each box contains enough material for approximately 110 lineal feet of wall. BlockNet™ has been researched, engineered and tested for flashing single wythe walls.

Mortar Net USA, Ltd. recommends using a reliable water repellent to inhibit moisture or dampness, which can wick or migrate from the outside face of the block to the inside face at any level.

EASY INSTALLATION

The BlockNet™ system should be installed directly upon the foundation or first course of block above the foundation. Weep tabs must be above grade.

Note: All instructions for installation remain the same in foundation installation or first course of block installation since architects may use either detail.

Step 1: First Strip Installation

Place a starter strip with the mesh side up on the foundation at the left hand corner of the wall or first course of block. The starter strip may simply sit on the foundation or the first course of block or be stabilized by using any compatible sealant or adhesive. Align the underside of the drip edge break with the front edge of the masonry.

Step 2: Typical Connecting Strip Installation

To install each connecting strip, run 3 evenly spaced silicone sealant beads from front to back on the top of the existing strip on the 6" wide unmeshed section at the right hand side of the strip. Position the next connecting strip in place so that the drip edges meet and align. This will ensure the proper 6" overlap of the strips. The strip should be firmly pressed into the sealant. Continue installing the connecting strips in this manner.

Step 3: Completion at Corners.

All corners will require a 45 degree miter cut as shown in figure 3.

Step 4: Vertical Mesh Installation

After the course of block directly on top of the drainage strips is set, install one 7"x7" vertical mesh element in each individual block core against the face of the core. Because each element is slightly wider than a typical block core, they should form a "U" shape when viewed from above. Each vertical mesh element must come in contact with the horizontal mesh on the drainage strip below in order to wick water through to the weep tabs. Remove any excess mortar that is blocking the contact between the vertical mesh and horizontal mesh prior to vertical mesh installation.

Step 5: Installation Around Poorly Positioned Rebars

If a rebar is positioned so close to the front of the wall that it interferes with the installation of the connecting strip, the mason must make field cuts. Simply cut the next connecting strip to a length that abuts the rebar and set it in place. Take the remainder of the strip and clip off a portion of the left end at a 45-degree angle to accommodate the rebar. Place this strip so that it abuts the previously installed strip, and avoids the rebar. Seal any gaps with a thin bead of sealant. Continue installing the strips in the usual manner.

Step 6: Creating End Dams For Lintel Conditions

BlockNet™ can be used over wall openings, bond beams and structured steel members if the ends are properly dammed. Tear off a short piece of mesh from each end of the lintel. At the very end of the lintel, place a thick and high bead of sealant running continuously from the back of the strip to the break of the drip edge.

