

SECTION 04090

MASONRY ACCESSORIES

For best results, display hidden notes to specifier.

**** NOTE TO SPECIFIER **** Mortar Net Solutions; masonry wall drainage systems.

This section is based on the products of Mortar Net Solutions, which is located at:
6575 Daniel Burnham Drive, Suite G
Portage, IN 46368
Tel: (800) 664-6638
Fax: (219) 787-5088
Email: sfechino@mortarnet.com
Web: www.mortarnet.com

MortarNet is the industry-leading mortar dropping collection device. Made from a 90 percent open-weave mesh with a patented Insect Barrier, it prevents mortar droppings from clogging weep holes in masonry cavity wall construction by catching and suspending mortar droppings and other debris on two levels above the flashing and weep holes. It prevents the mortar from forming a barrier against necessary water flow, allowing for the free migration of moisture in the cavity to the flashing and out of the weep holes.

MortarNet's efficient moisture management helps eliminate efflorescence on interior and exterior masonry walls, helps prevent damage caused by freeze-thaw cycles, and helps prevent the conditions that allow mold to develop, ensuring optimum performance of the walls. WeepVent or CellVent are used in conjunction with MortarNet to prevent insects and debris from clogging weep vents and to ensure that masonry walls retain their finished appearance.

Other products provided by Mortar Net Solutions to manage moisture in masonry construction include the mortar dropping collection devices WallDefender and HouseNet with Insect Barrier; the TotalFlash Cavity Wall Drainage Solution flashing system and CompleteFlash 14 Inch High Corner Boots and end dams for masonry cavity walls; the WallNet continuous drainage plane for rainscreen systems and adhered veneer, stone and stucco veneers; the LathNet metal lath and rainscreen drainage system; and BlockFlash and BlockNet flashing solutions for single wythe concrete block construction.

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Masonry accessories including the following:

**** NOTE TO SPECIFIER **** Product names for applications listed below are HouseNet with Insect Barrier, WeepVent and CellVent by Mortar Net Solutions. Delete types not required.

1. Open mesh to collect and suspend mortar droppings in residential masonry cavity walls with insect barrier. (HouseNet with Insect Barrier)
2. Weep holes for masonry walls. (WeepVent) (CellVent)

1.2 RELATED SECTIONS

**** NOTE TO SPECIFIER **** Delete sections below not relevant to this project; add others as required.

- A. Section 04050 - Basic Masonry Materials and Methods: Additional masonry materials.
- B. Section 04200 - Masonry Units: Masonry installation and coordination requirements.

- C. Section 04400 - Stone: Stone installation and coordination requirements.
- D. Section 04800 - Masonry Assemblies: Additional masonry assembly requirements.
- E. Section 07190 - Water Repellents: Masonry wall coatings.
- F. Section 07200 - Thermal Protection: Building Insulation.
- G. Section 07600 - Flashing and Sheet Metal: Metal counter flashing installation and coordination requirements.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage, handling requirements and recommendations.
- C. Verification Samples: For each Mortar Net WeepVent or CellVent specified, two samples representing actual product, color, and configuration.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum 2 years experience with similar masonry installations.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Protect products from exposure to direct sunlight.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Mortar Net Solutions; 6575 Daniel Burnham Drive, Suite G, Portage, IN 46368. Tel: (800) 664-6638. Fax: (219) 787-5088. Email: sfechino@mortarnet.com. Web: www.mortarnet.com.
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 MATERIALS

- A. Open mesh to collect and suspend mortar droppings in residential masonry cavity walls: HouseNet with Insect Barrier as manufactured by Mortar Net Solutions, recycled polyester; 90 percent open weave mesh, dovetail configuration with continuous bottom strip 2 inches high. Insect Barrier is not available on 2 inch thick HouseNet.
 - 1. Description: 90 percent open weave mesh in trapezoidal configuration connected by continuous bottom strip 2 inches high.

**** NOTE TO SPECIFIER **** Delete two of three following paragraphs. Manufacturer recommends that cavity should be no more than 1/4 inch wider than 1 inch and 2 inch material and 0.4 inch material should touch both the outer wythe and the inner wall of masonry cavity. Material is compressible to allow for variation in wall cavity widths.

2. 0.4 inches thick by 7 1/2 inches high, nylon material.
3. 1 inch thick by 7 1/2 inches high, high-density polyethylene material.
4. 2 inches thick by 7 1/2 inches high, recycled polyester material. (Not available with Insect Barrier)

**** NOTE TO SPECIFIER ** Delete if WeepVent not required.**

- B. Weep vents for masonry walls: WeepVent as manufactured by Mortar Net Solutions.
1. Description: 90 percent open weave mesh, UV-resistant recycled polyester; rectangular shape
 2. Standard size: 3 1/2 inches high by 1/2 inches thick by 2 5/8 inches long
 3. Other sizes available

**** NOTE TO SPECIFIER ** Delete colors that are not required.**

1. Match mortar color with selection from manufacturer's standard colors.
2. Available colors: White, Brown, Tan, Gray, Red, Almond

**** NOTE TO SPECIFIER ** Delete if CellVent not required.**

1. Description: Cells with cross sections of approximately 5/64 (0.080) inches by 1/8 (0.0120 inches) by the full length of the vent formed by a multilayered structure of thin polypropylene sheets.
2. Standard Size: 2 1/2 inches high by 3/8 inches thick by 3 3/8 inches long.
3. Jumbo Size: 3 1/2 inches high by 3/8 inches thick by 3 3/8 inches long.

**** NOTE TO SPECIFIER ** Delete color not required.**

1. Color: Match mortar color with selection from manufacturer's standard colors.
2. Available colors: White, Brown, Tan, Gray, Black, Cocoa, Clear

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify owner's agent and architect of unsatisfactory preparation before proceeding.

3.2 INSTALLATION

**** NOTE TO SPECIFIER ** Delete if HouseNet with Insect Barrier not required.**

- A. Open mesh to collect and suspend mortar droppings in residential masonry cavity walls: HouseNet with Insect Barrier as manufactured by Mortar Net Solutions. Install in strict accordance with manufacturer's instructions and as follows:
1. Extend flashing from the bottom of the HouseNet to at least 6 inches above the top of the HouseNet to prevent mortar bridging between the outer wythe and inner wall.
 2. Verify installation of flashing and completion of first two courses of masonry.
 3. Remove mortar droppings and debris from flashing and weep vents.
 4. Install one continuous row of HouseNet at base of wall in cavity and over all wall openings directly on flashing, with dovetail profile facing upward. For wall cavities that exceed 9 feet in height, place an additional continuous trapezoidal strip on wall reinforcing anchors and ties at every 9 feet of wall height.
 5. Butt ends together. Compress slightly if necessary.
 6. Place Insect Barrier to the outside of the building. 2 inch thick HouseNet does not include an Insect Barrier so either side may face the outside of the building.

**** NOTE TO SPECIFIER ** Delete if WeepVent not required.**

- B. Weep vents for masonry walls: WeepVent as manufactured by Mortar Net Solutions: Install in strict accordance with manufacturer's instructions and as follows:
 1. Place WeepVent in open head joints at the flashing level.
 2. Insert a WeepVent at a maximum of 24 inches on center in open head joints.
 3. Clean flashing and weep holes free of mortar droppings and debris.
 4. Align exterior face of WeepVent with exterior plane of mortar.
 5. For head joints taller than height of mesh insert, use custom manufactured product to match head joint.

**** NOTE TO SPECIFIER ** Delete if CellVent not required.**

- C. Weep vents for masonry walls: CellVent as manufactured by Mortar Net Solutions. Install in strict accordance with manufacturer's instructions and as follows:
 1. Place CellVent in an open head joint at the flashing level.
 2. Insert a CellVent at a maximum of 24 inches on center in open head joints.
 3. Clean flashing and weep vents free of mortar droppings and debris.
 4. Align exterior face of insert with exterior plane of mortar.
 5. For head joints taller than height of mesh insert, use custom manufactured product to match head joint.

3.3 PROTECTION

- A. Protect installed products from damage until completion of project.
- B. Repair or replace damaged products before covering with construction.

END OF SECTION