

GUIDE SPECIFICATIONS—MORTAR DROPPINGS COLLECTION DEVICE

1/3

Section 04200 -Unit Masonry, Part 2 Products

PART 1 GENERAL

1.1 Related Work

Sections: 04100 Mortar & Grouts & Cement, 04150 Wall Ties, 04150 Masonry Reinforcing & Accessories, 04210 Brick, 04220 Concrete Masonry Units, 06118 Sheathing Board, 07100 Waterproofing & Dampproofing, 07200 Perimeter insulation, 07212 Rigid Insulation, 07620 Wall Flashing -Sheet Metal, 07645 Flashing -Preformed Metal & Plastic, 07650 Flashing -Flexible & Laminated Sheet, 09110 Steel Stud Systems, 10235 Brick & Block Vents

1.2 System Description

Use a mortar droppings collection device as part of standard masonry cavity wall flashing/weep hole wall drainage systems. The device keeps weep hole vents open and flashing free of mortar droppings and debris by catching and permanently suspending droppings above the level of the top of the weep hole vents, by preventing mortar from forming a continuous barrier against proper water flow to the weeps, and by providing routes through the body of the product itself for water to flow to the flashing and weeps.

1.3 Quality Assurance

1 inch (25.4 mm) thick device is High Density Polyethylene (HOPE). 0.8 inch (20.32 mm) & 0.4 inch (10.16 mm) thick device is Nylon. Neither material will oxidize, rot, support mold or fungus, nor react with common building materials including mortar, cement, asphalt, modified bitumen, PVC, copper, steel, or galvanized metal. Neither material is edible by insects. The material retains its shape and rigidity in and is undamaged by extended exposure to normal field temperatures, and is highly resistant to UV degradation.

1.4 Delivery, Storage and Handling

Device is shipped 250 lineal feet (76200 mm) per cardboard box, fifty 5 foot (1524 mm) sections per box. Device requires no special handling, is very lightweight, and boxes and loose material are easily handled by one person. Secure loose and boxed material during strong winds. Do not expose material to direct sunlight for more than two weeks. If material is protected from exposure to direct sunlight it may be stored indefinitely.

1.5 Sequencing/Scheduling

Install device after flashing has been installed, first one or two courses of brick have been laid, and weep holes have been created. Install device before third or higher courses of brick have been laid.

1.6 Unit Prices

Unit price is per lineal foot (304.8 mm).

1.7 Warranty

Mortar Net USA, Ltd. warrants only that its mortar droppings collection device shall be of the quality and composition stated to support mortar droppings within the cavity. Mortar Net USA, Ltd. assumes no liability in connection with the sale and use of any of the Mortar Net products. Every construction project is unique, therefore every use of Mortar Net must be evaluated and approved by a qualified professional such as an architect or engineer familiar with the project.

PART 2 PRODUCTS

2.1 Acceptable Manufacturers

Mortar Net USA, Ltd., 326 Melton Road, Burns Harbor, IN 46304
Tel: 800-664-6638 website: www.mortarnet.com

2.2 Materials

All dimensions are nominal. Measurements are inclusive of the continuous bottom strip and the dovetail shape.

Four available sizes:

1 inch (25.4 mm). 0.8 inch (20.32 mm) & 0.4 inch (10.16 mm) thicknesses by 10 inch (254 mm) height by 5 feet (1524 mm) long. 1 inch (25.4 mm) thick by 16 inch (406.4 mm) height by 5 feet (1524 mm) long.

Continuous bottom strip on all sizes of material is 3 inches (76.2 mm) high, regardless of material thickness or overall material height.

1 inch (25.4 mm) thick product is High Density Polyethylene (HOPE). 0.8 inch (20.32 mm) & 0.4 inch (10.16 mm) thick product is Nylon. Product is a 90% open weave mesh in a dovetail configuration connected by a continuous bottom strip.

Manufacturer's Product Codes:

1 inch (25.4 mm) thick by 10 inch (254 mm) high material:	MN 10 -1
0.8 inch (20.32 mm) thick by 10 inch (254 mm) high material:	MN 10 -08
0.4 inch (10.16 mm) thick by 10 inch (254 mm) high material:	MN 10 -04
1 inch (25.4 mm) thick by 16 inch (406.4 mm) high material:	MN16-1

PART 3 INSTALLATION

3.1 Inspection

Match device size to cavity size. Cavity should be no more than 1/4 inch (6.35 mm) wider than 1 inch (25.4 mm) thick material, and 0.8 inch (20.32 mm) & 0.4 inch (10.16 mm) thick material should touch both the outer wythe and the inner wall, insulation or filler used to adjust the cavity size. (see 3.3)

Inspect for and repair holes in flashing immediately prior to installing the device.

3.2 Preparation

Clean flashing and weep holes so they are free of mortar droppings and debris immediately prior to installing the device. If wicks are used (not recommended), prevent mortar from coating or covering wicks inside the cavity. Washing flashing with water or chemicals prior to installation is not necessary.

3.3 Installation

For most walls, install one continuous row of the mortar droppings collection device at base of wall and over all wall openings directly on flashing.

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 (see 3.1) extending from the bottom of the device to at least 6 inches (152.4 mm) above the top of the device.

Multiple thicknesses of the device may be installed to match cavity widths and if excessive droppings are expected. Inspection, preparation, and installation procedure for multiple thicknesses is the same as for single thickness. When installing multiple thicknesses, align the dovetail sections with each other.

3.3 Installation (cont.)

To match cavity width to device thickness (see 3.1) without using multiple thicknesses of the device, place rigid insulation of appropriate thickness against the outside face of the inner wall extending from the bottom of the device to at least 6 inches (152.4 mm) above the top of the device.

Lay the first one or two courses of brick at flashing level, then install the device continuously by placing it against the inside of the outer wythe, dovetail shaped section facing up. directly on the flashing at the base of the wall and over all wall openings. No fasteners or adhesives are required, and mortar need not have set. (see Caution below)

The device will not come in contact with wall ties in most standard wall tie installations, but if it does, it may be cut or torn to accommodate wall ties, conduit, plumbing, or other materials that bridge or intrude into the cavity between the inner and outer walls.

The device is compressible horizontally so it may be forced into cavities slightly smaller than its nominal thickness without affecting its or the walls performance.

Caution:

When forcing the mortar droppings collection device in to a cavity, be sure mortar has set sufficiently to resist outward pressure from the device.