

**SECTION 04090.1****MORTAR DEFLECTION DEVICES**

This product guide specification can be used to specify Mortar Maze, polymer mesh strips placed in masonry wall cavities to catch and break up mortar droppings and deflect mortar away from weep holes. This product specification can be inserted into SECTION 04800 - MASONRY ASSEMBLIES or other similar masonry specification sections. The various paragraphs of this guide section will need to be inserted in the appropriate locations in either Part 1, 2, or 3. This guide might also be used as a separate section or combined with other guides to develop SECTION 04090 - MASONRY ACCESSORIES. \*\*\*\*\*

**PART 1 - GENERAL****1.1 SUMMARY**

- A. Section includes: Polymer mesh strips with geometric design to be placed in masonry cavities to break up mortar droppings and prevent weep hole blockage.

**1.2 REFERENCES**

- A. ASTM D5035 - Breaking Force and Elongation of Textile Fabrics (Strip Method).

**1.3 SUBMITTALS**

- A. Provide in accordance with Section 01330 - Submittal Procedures:
  - 1. Product data and installation instructions.
  - 2. [3 by 3 inches] [76 by 76 mm] minimum size sample of mortar deflection device.

**PARTS 2 - PRODUCTS****2.1 ACCEPTABLE MANUFACTURERS**

- A. Advanced Building Products, Inc., P.O. Box 98, Springvale, Maine 04083; 800-252-2306; www.advancedbuildingproducts.com
- B. Manufacturers of equivalent products submitted and approved in accordance with Section 01630 - Product Substitutions Procedures.

**2.2 PRODUCTS**

\*\*\*\*\* Advanced Building Products, Inc. manufacturers two types of mortar deflection material. Mortar Maze is 1.0 inch (25 mm) thick and is recommended for 1 to 1-3/4 inches (25 to 44 mm) wide cavities. Mortar Maze is also available 2 inches (51 mm) thick and is

**recommended for 2 inches (51 mm) wide cavities. Edit the following to reflect type of deflection device required. \*\*\*\*\***

A. Mortar deflection device:

1. Type: Polymer mesh strips with geometric design to be placed in masonry cavities to break up and deflect mortar droppings; [Mortar Break] [Mortar Break II] as manufactured by Advanced Building Products, Inc.
2. Composition: High density polyethylene woven mesh formed into geometric design.
3. Thickness: [[1.0] [2.0] inches.] [[25] [51] mm.]
4. Width: [11 inches] [279 mm].
5. Properties tested in accordance with ASTM D5035:
  - a. Tensile strength:
    - 1) Roll direction: 285 PSI minimum.
    - 2) Cross roll direction: 310 PSI minimum.
  - b. Elongation:
    - 1) Roll direction: 60 percent.
    - 2) Cross roll direction: 55 percent.

### **PART 3 - EXECUTION**

#### **3.1 INSTALLATION**

- A. Install mortar deflection devices as part of masonry wall construction and in accordance with manufacturer's installation instructions.
- B. Install in cavities at [all through wall masonry flashings with weep holes.] [locations detailed on Drawings.]
- C. Place deflection strips horizontally and diagonally directly on flashings.

**END OF SECTION**