



## SECTION 04 05 23

### MASONRY ACCESSORIES - MORTAR DEFLECTION MAT

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Veneer cavity mortar deflection mat.

##### 1.2 RELATED SECTIONS

- A. Section 04 20 00 – Clay Unit Masonry: Cavity wall construction of brick veneer.
- B. Section 04 43 00 – Stone Masonry: Wall construction of stone veneer.
- C. Section 09 24 23 – Portland Cement Stucco: Wall construction of stucco.

##### 1.3 REFERENCES

- A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

##### 1.4 SUBMITTALS

- A. Submit under provisions of Section 01 33 00.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.

##### 1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 2 years production of similar products.
- B. Installer Qualifications: Minimum 2 years experience as a masonry installer.

##### 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.

#### PART 2 PRODUCTS

##### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Keene Building Products; PO Box 241353, Mayfield Heights, Ohio 44124. Toll Free Tel: (877) 514-5336, Tel: (440) 605-1020. Fax: (440) 605-1120. Email: info@keeneBuilding.com. Web: <http://www.KeeneBuilding.com>.
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 25 00.

##### 2.2 MASONRY CAVITY MORTAR CONTROL

**\*\* NOTE TO SPECIFIER \*\*** KEENESTONE™ CUT 0.5" IS A 0.4-INCH THICK, THREE-DIMENSIONAL DRAINAGE DEVICE FOR 1.0-INCH MASONRY CAVITY WALL APPLICATIONS. KEENESTONE CUT PRODUCTS ARE DESIGNED TO CATCH AND HOLD MORTAR DROPPINGS WHILE ALLOWING MOISTURE TO PASS THROUGH AND DRAIN OUT OF THE WALL. THE PRODUCT SUSPENDS MORTAR DROPPINGS ABOVE THE WEEP HOLES TO PREVENT THE DRAINAGE CHANNELS FROM BECOMING BLOCKED OR CLOGGED. KEENESTONE CUT 1" IS DESIGNED TO BE 10.0-INCHES (25.4 CM) HIGH WITH 7.0-INCH (17.8 CM) KEENESTONE CUTS. IT IS 95% OPEN TO PROVIDE OPTIMAL DRAINAGE AND VENTILATION TO DRY OUT THE WALL SYSTEM. KEENESTONE CUT HELPS PREVENT MOLD AND DOES NOT ABSORB MOISTURE.

- A. Masonry Cavity Mortar Deflector: Three-dimensional geometric patterned masonry mortar deflection device to catch and hold mortar droppings while allowing moisture to pass through. Suspends mortar droppings above the weep holes to prevent drainage channels from becoming blocked or clogged.
- B. Product: KeeneStone Cut 0.5" as manufactured by Keene Building Products.
  - 1. Physical Characteristics:
    - a. 0.4-inches thick.
    - b. 10-inches (25.4 cm) high.
      - 1) 3.0-inch (7.6 cm) high continuous bottom strip.
      - 2) 7.0-inch (17.8 cm) high KeeneStone cuts.
    - c. 4.0 feet (1.2 m) long.
  - 2. Performance:
    - a. Stop mortar from clogging weep holes.
  - 3. Material: Polymeric Core Polymer.
    - a. Hydrophobic compound.
    - b. Resistant to chemicals.
    - c. Does not support mold growth.
- C. Application:
  - 1. Provide at non-insulated masonry cavity walls 1.0-inches thick and as indicated or required.
  - 2. Provide at insulated masonry cavity walls greater than 1.0-inches thick with additional insulation and as indicated or required.
  - 3. Provide at stone cavity walls and as indicated or required.

## 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 Architect of unsatisfactory preparation before proceeding.

### 3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

### 3.3 MORTAR CONTROL INSTALLATION

- A. Install in accordance with manufacturer's instructions.

- B. Inspection of Membrane and Wall Conditions: Ensure that the wall is free from structural defects, that any membranes or flashing are properly installed and that the final system will have a path for moisture to escape from the wall.
- C. Installation of Mortar Control: Place a continuous strip in the cavity at all flashing locations. Place horizontally on top of the flashing with the KeeneStone Cuts to ensure that the mortar droppings are broken up and deflected away from the weep holes. Mechanical attachment is not required.

END OF SECTION