

# Guide Specification – CavClear® Extruded Insulation System and CavClear® Weep Vents

*This text should be copied and pasted to appropriate section of Division 04 project specifications.*

**Important!** *The specification of the CavClear products affects details as well. CAD specialist should contact CavClear/Archovations for information.*

## **PART 1 - GENERAL**

### 1.1 SUMMARY

- A. Cavity wall insulation system with integral masonry mat designed for mortar dropping prevention, air space maintenance and drainage of wall cavities.
- B. Weep vents.

### 1.2 SUBMITTALS

- A. Submit two samples cavity wall insulation system 6 x 6 inches in size, and manufacturer's product datasheet. Label samples indicating thickness to be used.
- B. Submit two samples weep vents, actual size and color, and manufacturer's product datasheet.

### 1.3 DELIVERY, STORAGE AND HANDLING

- A. Store cavity wall insulation system in clean, dry, sheltered area, off ground, until used. Protect from direct exposure to sunlight.
- B. Protect weep vents packaging from rain.

## **PART 2 - PRODUCTS**

### 2.1 CAVITY WALL INSULATION SYSTEM

- A. Manufacturer and Type: CavClear Insulation System as manufactured by Archovations, Inc., PO Box 241, Hudson, WI 54016, (888) 436-2620.
  - 1. Description: Air Space Maintenance and Drainage Material with Integral Extruded Polystyrene Board Cavity Insulation. Masonry mat mortar bridging control factory bonded to rigid, cellular, extruded polystyrene thermal insulation to comply with ASTM C 578, Type IV. The mat shall be fluid conducting, non-absorbent, mold and mildew resistant polymer mesh consisting of 100% recycled plastic with binder. Mat is to be a non-woven textile product in random pattern and have voids no greater than 1/4" in diameter. Insulation system is to be designed for substantially continuous installation behind the full-height of all masonry.
  - 2. Insulation Thickness: [1.5] [2.0] [2.5] [3.0] [\_\_\_\_\_] inches.



**Total Wall Air Space & Moisture Control**

Archovations, Inc.

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3. Drainage Mat Thickness: Select masonry mat thickness of [1/2] [3/4] [1] [1-1/4] inches to allow no more than 3/8 inch tolerance between the masonry mat and masonry wythe.
4. Sizes: [16 inches x 8 feet] [48 inches x 8 feet].

## 2.2 WEEP VENTS

- A. Manufacturer and Type: CavClear Weep Vents as manufactured by Archovations, Inc., PO Box 241, Hudson, WI 54016, (888) 436-2620.
  1. Description: Non-woven mesh with M-notched bottom.
  2. Color [selected by Project Architect] [white][manila] [harvest gold] [rose/salmon] [red] [gray] [charcoal] to match mortar.
  3. Size: 3/8 inch by [2-1/2 inches high by 3-1/2 inches] [\_\_\_\_\_] wide.

## **PART 3 - EXECUTION**

### 3.1 INSTALLATION

- A. Install cavity wall insulation system continuously in the full-height of exterior masonry cavities during construction of exterior wythe; follow manufacturer's installation instructions. Verify that air space width is no more than 3/8 inch greater than masonry mat and insulation thickness. Install horizontally between joint reinforcement. Stagger end joints in adjacent rows. Butt adjacent pieces to moderate contact. Use insulation sealant on all insulation joints. Fit to perimeter construction and penetrations without voids. Fill cracks and open gaps in insulation with crack sealer compatible with insulation and masonry.
- B. Place weep vents in head joints at exterior wythe of cavity wall located immediately above ledges and flashing, spaced 24 inches on center, unless otherwise shown. Leave the side of the masonry units forming the vent space unbuttered and clear of mortar. Install with notched side down. Slide vent material into joint as the two masonry units forming the weep vent are placed.