

CavClear® Products...

The Full-Height Airspace Maintenance and Drainage Solution for Complete Mortar Dropping Prevention

For All Masonry
Drainage Walls

- Prevent Moisture-Related Failures
- Ensure Water Management
- Reduce Life-Cycle Costs
- Made from 100% Recycled Plastic



See us online at:
www.cavclear.com



The problem is mortar droppings...The answer is:



Figure 1 - Mortar Bridging



Figure 2 - Premature Deterioration

The Problem...

During the construction of a masonry wall, excess mortar will accumulate within the airspace. Mortar accumulation may occur at the weep and flashing levels, but mortar bridging can also occur above the flashing levels as seen in Figure 1.

When mortar accumulates in the airspace, moisture cannot drain properly. Mortar bridges cause drainage and ventilation problems, which ultimately lead to premature deterioration of the building system as seen in Figure 2.

In order to function properly, the wall should have a continuous and unobstructed drainage path behind the brick.

CavClear® Insulation System



Description: CavClear® Masonry Mat or CavClear® Stone Mat is factory bonded to cavity board insulation to create the CavClear® Insulation System for confidence and ease of installation. Prevents mortar from bridging the airspace and from falling into the cavity which results in a continuous area for drainage and ventilation.

Applications: Specify and detail full-height in insulated cavity walls and stone construction where ties are located 16" O.C.

Dimension: 16" x 96"; 48" x 96". Custom sizes also available.

Insulation Types, Thickness and Sizes: Type IV (extruded): 1", 1.5", 2", 2.5"; Type X (expanded): Specify any thickness; Type I, Class 2 (polyisocyanurate): 1", 1-1/4", 1-1/2", 1-7/8", 2".

Masonry Mat Thickness: 1/2", 3/4", 1", 1-1/4", 1-3/4". Select to allow 1/4" to 3/8" tolerance between CavClear® Masonry Mat and brick.

Stone Mat Thickness: 1". No tolerance required.

Installation: Install horizontally between ties. Stagger end joints in adjacent rows. Tightly butt joints. Use a compatible joint sealant on all joints and penetrations.

Mfr Codes: Please call 888-436-2620 for a complete listing of manufacturer codes for CavClear® Insulation System.

CavClear® Masonry Mat



Description: CavClear® Masonry Mat is a fluid-conducting, nonabsorbent polymer mesh made from 100% recycled plastic that is installed full-height in the airspace. Holds mortar in proximity to mortar joint preventing it from making contact with the backup or falling to flashings where it would obstruct weeps. Eliminates manual methods of cleaning the backside of masonry.

Applications: Specify and detail full-height behind all brick in insulated or non-insulated masonry veneer and cavity wall systems.

Dimensions: 16" x 96", 8" x 96". Rolls up to 4' x 70' available upon request.

Thickness: 1/2", 3/4", 1", 1-1/4", 1-3/4". Select thickness to allow 1/4" to 3/8" tolerance between CavClear® Masonry Mat and brick.

Installation: Install full-height throughout the wall. Fits horizontally between ties. Secure loosely using pintels at top edge or use spot adhesive which is compatible with substrate. Stagger end joints in adjacent rows. Do not use staples or nails.

Mfr Codes: x" CCMM where x equals mat thickness.

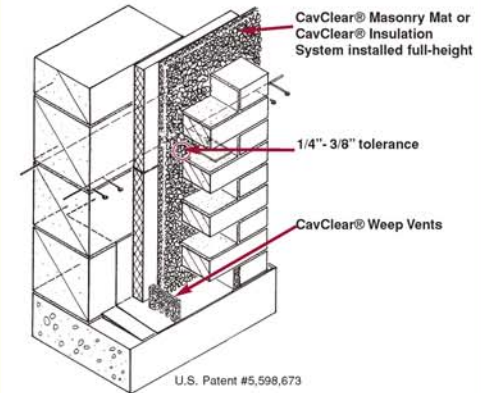
CavClear® - The Patented Full-Height Solution

The Solution...

CavClear® products enhance the quality of masonry walls by preventing excess mortar from obstructing the airspace. CavClear® products are installed full-height. Mortar is held at the joint and prevented from making contact with the backup. Without obstructions, moisture migrates freely to unobstructed weeps.

CavClear® products offer complete protection for all masonry walls. The unique mesh allows air and water to flow and disperses moisture for more rapid evaporation, reliable drainage and ventilation of the airspace. Specify CavClear® continuously throughout the full-height of the airspace to ensure the performance of your masonry drainage wall design.

Typical Drainage Wall Using CavClear®



CavClear® Stone Mat



Description: CavClear® Stone Mat is a fluid-conducting, nonabsorbent polymer mesh made from 100% recycled plastic that is installed full-height behind stone. Creates a drainage area behind the stone veneer that would not otherwise be possible.

Applications: Specify and detail full-height behind stone, particularly when stone is of varying dimensions.

Dimensions: 16" x 96". Rolls up to 4' x 70' available upon request.

Thickness: 1". For stone veneers, there should be no tolerance between CavClear® Stone Mat and exterior wythe.

Installation: Install full-height throughout the wall. Fit horizontally between ties or cut to fit around ties as necessary. Secure loosely using pintels at top edge or use spot adhesive which is compatible with substrate. Stagger end joints in adjacent rows. Do not use staples or nails.

Mfr Code: 1" CCSM

CavClear® Weep Vents



Description: CavClear® Weep Vents are made of 100% recycled plastic and come in a variety of colors to blend with mortar. They are installed in vertical joints (open head weeps) at the flashing level to provide moisture drainage and air flow, while preventing insects from entering the airspace and adding visual continuity to open head joint weeps. The "notch" feature facilitates rapid drainage. Open head joint weeps provide increased ventilation over rope wicks and when installed at both the bottom and the top of the wall help with pressure equalization.

Applications: Specify and detail in masonry cavity wall construction in the vertical joints of the brick masonry units at 24 inch spacing.

Dimension: 2.5" x 3.5" x 3/8"

Colors: White, Manila, Harvest Gold, Rose/Salmon, Red, Gray, and Charcoal.

Installation: Install CavClear® Weep Vents in head joints at 24 inch spacing with notched side down.

Mfr Codes: CCWV-xx where xx equals color: WH, MAN, HG, R/S, RED, GR, CHAR.

CavClear® Projects...



CavClear® In Action...



CavClear® Products...

Ensure Water Management

- ✓ **Prevent Mortar Bridging.** Mortar bridges obstruct a continuous moisture migration path, inhibiting proper drainage.
- ✓ **Eliminate Weep Obstructions.** Mortar is kept in proximity to the mortar joint so it does not fall to the flashing or weeps.

Prevent Moisture-Related Failures

- ✓ **Eliminate Callbacks.** Proper drainage and adequate ventilation reduce cracking and promote durability.
- ✓ **Ensure Long-Term Performance.** Maintain proper ventilation and prevent moisture/thermal bridging throughout the entire airspace.

Manage Construction Costs

- ✓ **Eliminate Rework.** Inspections will reveal a clear cavity every time.
- ✓ **Reduce Related Material Costs.** A smaller airspace will function properly and reduce associated costs for materials such as flashings, footings, lintels, and shelf angles, etc.

Easy Installation

- ✓ **No Fasteners or Adhesives.** 16" widths fit easily between ties. 8" widths fit the flashing levels.
- ✓ **Flexible and Resilient.** Conforms readily to minor variations in the width of the airspace.
- ✓ **Eliminate Manual Cleaning Methods.** Eliminates pull-boards or back parging to clean airspace.

Reduce Life-Cycle Costs

- ✓ **Reduce Energy Costs.** Prevent mortar bridges that allow thermal and moisture transfer between the wythes.
- ✓ **Designed for Sustainability and Performance.** An obstructed airspace will cause drainage and ventilation problems that lead to costly repair.

CavClear® is proud to support the industry through its memberships:



CAV CLEAR®



The Clear Choice For Dependability

CavClear®/Archovations, Inc.
P.O. Box 241, Hudson, WI 54016
Toll-Free Tel: 888-436-2620
Tel: 715-381-5773
Fax: 715-381-9883
info@cavclear.com
www.cavclear.com