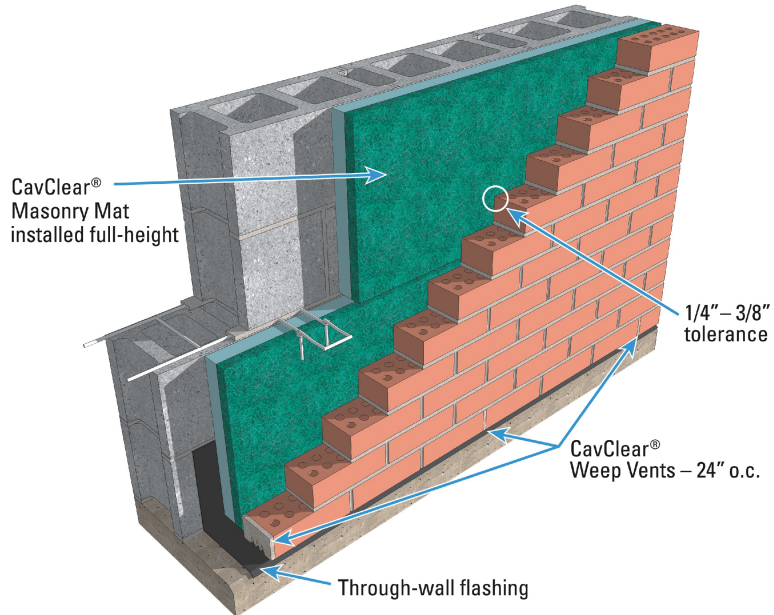


### Typical Drainage Wall Using CavClear® Masonry Mat

#### Product Overview

A properly functioning drainage system is the prerequisite for a masonry design to achieve maximum thermal efficiencies and reduced maintenance and repair costs. Mortar obstructions and droppings which impede drainage are completely prevented by installing full-height protection using CavClear® Masonry Mat.

CavClear Masonry Mat is a non-woven plastic mesh made from post-consumer recycled material. It is installed full-height behind brick and stone to provide a continuous drainage area.



#### Features and Benefits

- Made from recycled plastic.
- Completely prevents mortar bridges throughout the entire air space.
- Eliminates weep obstructions and ensures a continuous drainage path.
- Prevents moisture intrusion and moisture-related failures.
- Prevents mortar bridges, minimizing thermal and moisture transfers between the wythes.
- Reduces long-term life-cycle costs by maximizing thermal efficiencies and reducing maintenance and repair.
- Assures proper drainage even when a smaller-than-desired cavity width is necessary due to project requirements.
- LEED rated to provide credits to sustainable designs.

#### Size and Dimension

CavClear Masonry Mat is available in a variety of thicknesses:  $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{3}{4}$ ", 1",  $1\frac{1}{4}$ " and  $1\frac{3}{4}$ ". In brick designs, allow  $\frac{1}{4}$ " to  $\frac{3}{8}$ " tolerance between the mat and the masonry to allow finger space and variation in actual air space dimension.

Convenient 16"x96" pieces fit between joint reinforcement.

#### Installation

Position the CavClear Masonry Mat in exterior masonry cavities during construction of the exterior wythe. Install horizontally between wall ties or joint reinforcement. Stagger end joints in adjacent rows. Use multiple layers at bottom of wall and above through-wall flashings when air space depth exceeds masonry mat thickness by more than  $\frac{3}{8}$ ". Butt adjacent pieces to moderate contact. Fit to perimeter construction and penetrations without voids. Contact CavClear for more information or for information on installation in stone designs.

#### Notes on Mortar Collectors

The CavClear Masonry Mat is **not** a mortar dropping collection device. It is an **air space maintenance system** installed full-height behind all masonry and offers **complete** protection from drainage and mortar obstruction problems often encountered with masonry wall construction.

Mortar dropping collection devices are products that attempt only to protect the weeps in a masonry design. They do not attempt to address mortar obstructions throughout the remainder of the system. Mortar bridges are problematic anywhere in the wall, not just at the flashing levels.

Mortar dropping collection devices can also be ineffective in protecting weeps since they allow a horizontal surface on which a continuous mortar obstruction can accumulate. When a solid obstruction accumulates on top of a mortar dropping collection device, moisture will be prevented from reaching the weeps.