CavClear® Rainscreen Mat   Installation Directions

Ventilation and Drainage Material for the Building Envelope

Applications

CavClear® Rainscreen Mat With Scrim (CCRS-WS) is intended for installation behind thin brick, manufactured or thin-set stone and stucco to create and maintain a drainage plane for ventilation and moisture management in the building envelope.

CavClear® Rainscreen Mat Heavy Duty (CCRS-HD) is intended for installation behind fiber cement board, cedar, vinyl and aluminum lap siding applications to manage both moisture and moisture vapor.

General Installation

Ensure the wall is free from structural defects, that any membranes or flashing are properly installed and the final system will have a path for moisture to escape from the wall. CavClear® Rainscreen Mat should only be applied to structurally sound surfaces, incorporate good building practices, and meet all local code requirements. Before starting any applications, check with your local building code requirements and read all manufacturers' installation instructions.

Installation for Thin Brick, Manufactured and Thin-Set Stone

1. Install building paper or weather-resistant barrier and flashing according to manufacturers' recommendations.

2. Place CavClear® Rainscreen Mat WS horizontally against exterior wall, fabric side out. The entangled core should face the building interior. Starting at the bottom of the wall, position the first piece of CavClear® Rainscreen Mat WS where the bottom edge of the stone will meet the weep screed.

3. Mechanically fasten with a cap nail, cap staple, and cap screw; one fastener for each square foot. When installing over concrete or block back-up walls that do not accept mechanical fasteners, hold in place with small dabs of glue every two feet. DO NOT FASTEN THROUGH FLASHING.

4. Seam adjacent CavClear® Rainscreen Mat WS pieces with the selvage edge overlapping the top of the lower piece.

5. Trim CavClear® Rainscreen Mat WS around all penetrations, windows and doors.

6. Install expanded metal lathe over the CavClear® Rainscreen Mat WS according to the stone manufacturers' recommendations.

7. Apply scratch coat according to stone manufacturers' recommendations.

8. Install manufactured stone according to guidelines. Guidelines must include a weep method for ventilation and drainage.

Installation for Stucco

1. Install building paper or weather-resistant barrier and flashing according to manufacturers' recommendations.

2. Place CavClear® Rainscreen Mat WS horizontally against exterior wall, fabric side out. The entangled core should face the building interior. Starting at the bottom of the wall, position the first piece of CavClear® Rainscreen Mat WS where the bottom edge of the stone will meet the weep screed.

3. Mechanically fasten with a cap nail, cap staple, and cap screw; one fastener for each square foot. When installing over concrete or block back-up walls that do not accept mechanical fasteners, hold in place with small dabs of glue every two feet. DO NOT FASTEN THROUGH FLASHING.

4. Seam adjacent CavClear® Rainscreen Mat WS piece with the selvage edge overlapping the top of the lower piece.

5. Trim CavClear® Rainscreen Mat WS around all penetrations, windows and doors.

6. Install expanded metal lathe over the CavClear® Rainscreen Mat WS according to the manufacturers' recommendations.

7. Apply stucco according to manufacturers' recommendations. Guidelines must include a weep method for ventilation and drainage.

Installation for Fiber-Cement Board, Cedar, Vinyl and Aluminum Lap Siding

Install building paper or weather-resistant barrier and flashing according to manufacturers' recommendations.

1. Place CavClear® Rainscreen Mat HD horizontally against exterior wall, fabric side out. The entangled core should face the building interior. Start at the bottom of the wall and work up.

2. Mechanically fasten with a cap nail, cap staple, and cap screw; one fastener for each square foot. When installing over concrete or block back-up walls that do not accept mechanical fasteners, hold in place with small dabs of glue every two feet. DO NOT FASTEN THROUGH FLASHING.

3. Seam adjacent CavClear® Rainscreen Mat HD piece with the selvage edge overlapping the top of the lower piece. Shingle so that selvage edge is installed toward the bottom of the wall.

4. Install fiber-cement board, cedar, vinyl and aluminum lap siding according to manufacturers' recommendations. When choosing fastener, allow for thickness of CavClear® Rainscreen Mat HD. Pneumatic nail guns can be used if nails meet manufacturers' recommendations and air pressure and depth gauge is set to fasten nail snug with surface.