

Mortairvent

- Apply a weather resistant barrier over sidewall sheathing. Note: some regions may require two layers of weather resistant barrier. Check local codes for more information.
- Install Mortairvent® after windows and doors have been properly installed and flashed
- Starting at the base of the wall, unroll Mortairvent® from right to left with the fabric flap on the bottom. The blue geomatrix should be facing the weather resistant barrier and the filter fabric facing the exterior of the building.
- Staple or nail every three square feet.
- On the bottom and top course only, fold the fabric flap and tuck it between the (blue) polymer matrix and the weather resistant barrier to create an insect screen. The top course roll will need to be inverted to achieve this.
- On subsequent courses, butt the blue polymer material together without overlapping. Pull the fabric flap over the previous course (shingle style) and staple.
- Apply lath, scratch coat, and stucco or masonry veneer siding over Mortairvent® using recommended fasteners and spacing.

CedAir-Mat

- Install plywood roof sheathing onto rafters. Install roofing felt or ice dam protection membrane over sheathing. Check local codes and manufacturer's recommendations for specific requirements.
- Install CedAir-Mat® over roofing felt, ice protection membrane, and metal edge flashing or drip edge. Ensure CedAir-Mat® material is installed flush against edge of the flashing or drip edge. Carefully trim the CedAir-Mat® material at all penetrations with a utility knife or scissors.
- When installing cedar or alternate material shingles, unroll CedAir-Mat® horizontally just ahead of the shingles as they are installed. Tack or nail CedAir-Mat® in place every three square feet. Do not overlap the CedAir-Mat® material. Butt each course tightly against the previous course and at vertical seams.
- At ridge locations, extend CedAir-Mat® material over the ridge and butt against the material on the opposite side of the roof. If a ridge vent is utilized, follow the ridge vent manufacturer's recommendations for underlayment material installation.
- Apply roofing materials using manufacturer's recommended fasteners and instructions, allowing for the additional 3/8" thickness of the CedAir-Mat® material.

Advanced Drain

- Install composite drainage mats in accordance with manufacturer's instructions at locations indicated on the Drawings.
- Install composite drainage mats:
 - To allow flow of water in all directions within drainage core.
 - To prevent soil from entering drainage core while providing ample flow of water.
- Secure composite drainage mats to surfaces with construction adhesive or termination bars in accordance with manufacturer's instructions.
- Butt composite drainage mats together without overlapping.
- Apply construction adhesive on fabric overlap for sealing adjacent composite drainage mats to prevent soil intrusion at joints.
- Protect installed composite drainage mats from damage during construction.

RAM Vent

- Unroll RAM Vent™ along the perimeter of the footings on top of the soil.
- Lay a cross piece of RAM Vent™ through the center parallel to the longest wall every 15 to 20 feet. Then, overlay the subfloor with a vapor barrier extending up the wall.
- Cut a 3" (8cm) hole in the vapor barrier near the most appropriate corner. Next, glue a 4" (10cm) flanged riser pipe with a detachable cap to the vapor barrier and sitting on top of RAM Vent™ (The pipe stub should be long enough to extend above the top of where the slab is poured). Then, pour the slab. Finally, extend the vent pipe through the roof.
- Additional Instruction— Make sure to seal any cracks/ seams etc. on top of the concrete with a sealant, such as silicone.

Mortar Break DT

- Install mortar deflection devices as part of masonry wall construction and in accordance with manufacturer's installation instructions.
- Install in cavities at [all through wall masonry flashings with weep holes.] [locations detailed on Drawings.]
- Place deflection strips horizontally and diagonally directly on flashings.

Weep Vents

- Install weep vents as part of masonry wall construction and in accordance with manufacturer's installation instructions. Coordinate with installation of through wall flashings.
- Locate weep vents at [wall bases, above door and window openings, above bond beams, and other through wall flashings.] [At locations detailed on Drawings.] Space at [_____] [inches] [mm] maximum.
- Embed weep vents in vertical mortar head joints. Tool joints to prevent obstruction of weep spouts.

Watairvent Furring Strips

Installation over 1/2" OSB or plywood intended for clapboard siding

- Install your weather resistant barrier (WRB) of choice over the surface area of the sheathing. Be sure to tape all seams.
- Place Watairvent® Furring Strip horizontally at the base of the wall around the entire perimeter (Diagram A) to prevent bugs from entering the channel.
- Place the Watairvent® Furring Strips vertically every sixteen inches on center aligned with the wood studs (Diagram A). Fasten the Furring Strip with either a 1.75" nail or other approved fastener. It is important to penetrate the studs by at least a 1 1/4". Per R703.15.2 of 2018 Intl. Residential Code. Can be installed horizontally as well.

Installation over 1" insulation intended for clapboard siding

- Place the WRB of choice between the sheathing and rigid foam insulation. A drainable WRB is preferred.
- Place Watairvent® Furring Strips horizontally at the base of the wall around the entire perimeter to prevent bugs from entering the channel (Diagram A).
- Place the Watairvent® Furring Strips vertically every sixteen inches on center aligned with the wood studs. Be sure your fastener length accounts for the entire depth of the assembly. Follow siding manufacturers installation instructions. Can be installed horizontally as well.

Installation at Windows and Trim

- Flash window per manufacturers recommendations.
- Additional Watairvent® Furring Strips should be installed behind vertical window trim and corner trim.
- Watairvent® Furring Strips should be installed directly up against the windows nailing flange (Diagram B).
- Leave necessary gaps for differential movement. (Diagram B).
- Trim windows and doors per manufacturers recommendations.

Installation at top of the wall

- Watairvent® Furring Strip can be installed horizontally at the top of the wall. Similar to the base of the wall whereas the furring strip will act as the bug screen and the airflow channels will remain free of debris.
- Leave a .75" gap between vertical and horizontal furring strips to allow for differential movement (Diagram A).

Siding Installation

- Install all wood clapboards and cedar shakes per siding manufacturers recommendations.

Cutting Instructions

- Use a plywood blade installed backwards (often used for cutting vinyl siding) or cutting shears for best results.

Strip-N-Flash

- Surface Preparation: Concrete shall be in place for 7 days minimum. Substrate must be completely dry. Surface shall have a smooth finish free of voids, sharp protrusions, laitance and form release agents. Block or brick walls shall have mortar joints struck flush.
- Primer: Surfaces to receive Strip-N-Flash™ must be clean and dry. For best results, concrete, masonry and some exterior gypsum substrates require coating with Primer. Apply Primer per manufacturer's recommendations.
- Application: Precut Strip-N-Flash™ to fit each location. Remove siliconized release liner and position membrane carefully before pressing in place. Press firmly in place with a steel hand roller, taking care to avoid air pockets and wrinkles. Overlap adjoining pieces 2 inches. Cut bottom edge back 1/2 inch from exterior surface of building and place on drip edge. Be sure Strip-N-Flash™ is installed a minimum of four-inches above the mortar deflection.
- Terminations: Press termination edges firmly in place with a hammer handle or similar tool. The use of a surface mounted termination bar or placing the flashing membrane into a joint of the inner back up wall is recommended for vertical terminations. ABP End Dams are recommended at horizontal terminations.

Note: Failure to use adequate pressure at terminating edges will result in a poor seal and a potential leak.

Cop-R-Shield PC

- Cop-R-Shield™ PC is our non-asphaltic copper flashing, ideal for deck construction and termite shield protection. The product should be installed with the copper side facing the plywood sheathing and the poly facing out.