

WRAPSHIELD® Water Resistive Barrier & Air Barrier **Orange** or **Black**

## INSTALLATION INSTRUCTIONS FOR **BLOCK** APPLICATION

### VAPROSHIELD PRODUCTS

WrapShield – Orange Standard rolls are 59" high, 164' long Wallshield can also be utilized for this application.

#### Accessories:

- VaproFlashing Black 6" for open joints in panels.
- VaproFlashing pre-cut sizes 6", 11 ¾", 15" and 19 ¾".
- Preformed VaproShield 3D Window Corners 18" x 18".
- VaproTape: single and double sided.
- 3" VaproTape™ SS (Single-Sided) 20 mil., to secure membrane to itself and substrates.
- 1" VaproTape™ DS (Double-Sided) 30 mil., to seal membrane to itself and substrates.
- VaproTape black (UV) 4' x 50' 35 mil., for open joints where VaproFlashing is not utilized.
- VaproAdhesive.

### RECOMMENDED FASTENERS:

- Post-applied, hand-driven mechanical/expansion all purpose fastener (3/16" x 1 ¼" (HWH), Powers Tapper #14 x 1 ¼" Dekfast (PH) in conjunction with a Dekfast 2" round Galvalume insulation plate). The potential for corrosion from galvanic action of the fastener must be considered when selecting fasteners
- All Caulks and Sealants **must be** Butyl-based products.
- Tapes to be used in cooler temperatures should be kept warm prior to use.

### CONCRETE OR MASONRY SUBSTRATE APPLICATION:

Surface preparation - Clean and prepare substrate provide clean and dry substrate for breathable membrane application.

#### PENETRATIONS

Pipes and Conduit: wrap membrane around any penetrations - Secure the membrane so that the subsurface is protected from weather until cladding can be installed.

#### STEP 1 – WRAP PENETRATIONS

Wrap penetrations as specified and detailed. Vertical laps shall be a minimum of 6" with taped joints or 12" without tape. Horizontal laps shall be a minimum of 6".

#### STEP 2 – ATTACH

1. Starting from the bottom, unroll the membrane, color side out.
2. Mechanically fasten top and bottom, 2'-0" o.c. (3/16" x 1 ¼" (HWH), Powers Tapper #14 x 1 ¼" Dekfast (PH) in conjunction with a Dekfast 2" round Galvalume insulation plate) into previously drilled pilot holes.
3. Seal against jambs of any openings with 1" VaproTape (Double-Sided).  
**Best Practice**  
Place a continuous bead of non-skinning butyl sealant or butyl tape on foundation wall and seal WallShield/WrapShield to it.
4. Temporarily spot attach with VaproAdhesive 2" wide at 18" on center.
5. Fasten cladding onto masonry/concrete wall through membrane using post-applied, hand-driven mechanical/expansion fasteners, ((3/16" x 1 ¼" (HWH), Powers Tapper #14 x 1 ¼" Dekfast (PH) in conjunction with a Dekfast 2" round Galvalume insulation plate) into previously drilled pilot holes. If possible try to ensure fastener incorporates a plastic or neoprene washer (1" diameter washer required for areas of high wind exposure).

#### OR

Apply VaproTape DS (Double Sided) to temporarily attach the membrane in place and then mechanically fasten cladding onto masonry/concrete wall through membrane using post-applied, hand-driven mechanical/expansion fasteners, (3/16" x 1 ¼" (HWH), Powers Tapper #14 x 1 ¼" Dekfast (PH) in conjunction with a Dekfast 2" round Galvalume insulation plate) into previously drilled pilot holes.

#### Best Practice

Ensure fastener incorporates a plastic or neoprene washer (1" diameter washer required for areas of high wind exposure).

**Note - Full attachment of membrane will occur when final cladding rails are installed per cladding manufacturer's recommendations.**