

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

INSTALLATION INSTRUCTIONS FOR METAL GIRT APPLICATION

METAL GIRT APPLICATION:

VaproAdhesive™ sprayed at 2" wide and / or Pancake head self-drilling screw with gasket/washer.

INSTALLATION INSTRUCTIONS

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 – BEGIN FLASHING PENETRATIONS (IF APPLICABLE)

1. Cut a piece of WrapShield or WallShield membrane to act as a "skirt" around counter flashed penetrations i.e. Ducts/housings or pipes. Distance from penetration to edge of barrier "skirt" minimum of 12".
2. Make four cuts to form a star shape and place over penetration snugly.
3. Extend "ears" of material along vertical penetration and seal with VaproTape (Single-Sided).
4. Tape top edge of "skirt" to wall using VaproTape (Single-Sided), do not tape bottom edge.

STEP 2 – ATTACH MEMBRANE

1. Starting at base of wall, unroll membrane horizontally across wall.
Best Practice
Place a continuous bead of non-skinning butyl sealant or butyl tape on foundation wall and seal WrapShield to it.
2. Extend 6" over starting corner.
3. Fasten at top and bottom of roll at 2" from edge of WrapShield to center of fasteners.
4. Fasten at maximum of 2'0" on center.
5. Shingle next layers of membrane, ensuring minimum 6" horizontal and minimum 12" vertical laps.
6. For delayed installation of siding/masonry determine fasteners and reduced fastener spacing for wind exposure.
7. Tape all vertical and horizontal laps using VaproTape DS or VaproTape Single-Sided or VaproTape Black behind any open joints in the cladding

STEP 3 – FINISH FLASHING PENETRATIONS

1. Ensure membrane is slipped under bottom edge of penetration "skirt" and shingled over taped top edge.
2. Seal top and sides with VaproTape (Double-Sided).
3. Ensure whole "skirt" assembly is flashed appropriately with metal.

STEP 4 – INSTALL VAPROFLASHING BLACK FOR OPEN-JOINT APPLICATION

1. VaproFlashing extra layer is required for protection where open joints occur in the finished cladding system.
2. Apply VaproTape Black (UV) to temporally attach the flashing in place and then mechanically attach to membrane using post-applied, hand-driven mechanical/expansion fasteners.
Best Practice
Ensure fastener incorporates a plastic or neoprene washer (1" diameter washer required for areas of high wind exposure).
3. For information on use of Black WrapShield in open joint applications refer to www.vaproshield.com. If Black VaproFlashing is not installed then apply 4" Black VaproTape to cover any exposed open joints of the membrane.

STEP 5 – SIDING/MASONRY

1. Cladding boards – per cladding system installation requirements.
2. Masonry – wall ties/mechanical fasteners/veneer anchors as per building code requirements.

PROTECTING AND CLEANING

Protect installed breathable membrane from damage due to ultraviolet light, harmful weather exposures, physical abuse, and other causes. Manufacturer suggests a maximum of nine (9) months UV exposure recommending the use of a sacrificial layer or tape for UV protection for 20 year warranty. Repair torn breathable membrane as follows: Insert a full height piece of membrane extending 12 inches horizontally beyond the damage and extend up and under the membrane above. Mechanically attach membrane to substrate top and bottom. Remove mud and similar marks with a water only scrub. If chemicals have been spilled on membrane, treat as a tear and repair as stated above.