

# ENVIRO-BARRIER™

## Fluid Applied Air/Vapor Barrier

**Substrate Preparation** All surfaces to receive ENVIRO-BARRIER™ must be clean, smooth and free from projections, oil, grease and other contaminants.

Concrete:

- New concrete should be cured for a minimum of 3 days and shall be smooth with no sharp protrusions.
- Honeycombing and cracks/voids up to 1/4" should be filled with HB Sealant after application of ENVIRO-BARRIER™.
- Cracks/voids in excess of 1/4" should be sealed with X-Seal Transition Membrane over a primed substrate and lapped a minimum of 3" on both sides of the crack.

Concrete Masonry Unit (CMU):

- All mortar joints must be struck flush and full to the face of the CMU.
- Cracks/voids up to 1/4" shall be filled with HB Sealant after application of ENVIRO-BARRIER™.
- Cracks/voids in excess of 1/4" should be sealed with X-Seal Transition Membrane over a primed substrate and lapped a minimum of 3" on both sides of the crack.
- Mortar droppings should be removed from brick anchors and all other surfaces

Exterior Sheathing:

- Sheathing boards shall be flush at joints with gaps between boards in accordance with building codes and sheathing manufacturer's instructions.
- Sheathing boards shall be securely fastened to the structure with proper fastener type and must be installed flush with the surface.
- Seal all joints with X-Seal Transition Membrane over primed surface or use HB Sealant after applying ENVIRO-BARRIER™, selection depends on the size of the gap, refer to the chart below for recommended methods.

Joint Size	Method
Up to 1/4"	Single bead – HB Sealant (after ENVIRO-BARRIER™ application)
1/4 - 1/2"	X Seal Transition Membrane w/ Primer SA
Over 1/2"	N/A - Unsuitable substrate

**Detailing**

Dissimilar material transitions to beams, columns, window and door frames, etc. should be made with a 6" wide strip of X-Seal Membrane (or Stretch-X-Seal Membrane) over Hohmann & Barnard Primer-SA **PRIOR** to the application of ENVIRO-BARRIER™. Gaps around penetrations should be sealed with HB Sealant after application of ENVIRO-BARRIER™. For specific applications, please refer to Hohmann & Barnard detail sheets.

## **Application**

ENVIRO-BARRIER™ may be applied by brush or heavy-duty airless spray in a single or dual coat application. Apply in continuous, monolithic application without sags, runs or voids.

- **NOTE: To reduce the possibility of blisters on porous surfaces, such as precast concrete; apply a thin primer coat and allow curing for 6 hours prior to final installation at full thickness.**
- Transition ENVIRO-BARRIER™ onto detail tapes to provide a continuous uniform drainage plane & barrier.
- Regularly monitor wet mil thickness to assure adequate coverage.
- Spray applications should be performed in both a vertical and horizontal method to ensure a uniform coating around all projections.
- Both surface and ambient temperatures must be above 40°F.

## **Coverage & Thickness Control**

- ENVIRO-BARRIER™ should applied at a minimum thickness of 60 mils wet (dries to a 40 mil thick film).
- The coverage rate, in typical conditions, to achieve 60 mils wet is about 25 sq. ft. per gallon.
- Coverage rates may be reduced over rough and uneven substrates.
- Control application thickness by marking the area and spot-checking the wet film with a film thickness gauge (please request an H&B wet film thickness gauge).

## **Clean Up**

Use waterless hand cleaner for skin. Spray equipment can be flushed out with water. Use citrus based cleaners to remove dried material.

## **Protection**

Make sure to protect adjacent areas and nearby property from overspray.