

ENVIRO-BARRIER™ VP

Fluid Applied Vapor Permeable Air Barrier

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

Concrete:

- New concrete should be cured for a minimum of 48 hours and shall be smooth with no sharp protrusions.
- Honeycombing and cracks/voids up to ¼" shall be filled with HB Sealant after application of ENVIRO-BARRIER™ VP.
- Cracks/voids in excess of ¼" 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 ¼" shall be filled with HB Sealant after application of ENVIRO-BARRIER™ VP.
- Cracks/voids in excess of ¼" 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. Fill all voids and holes, particularly at the mortar joints.
- Seal all joints with X-Seal Transition Membrane over primed surface or use HB Sealant after applying ENVIRO-BARRIER™ VP, 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™ VP 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™ VP. Gaps around penetrations should be sealed HB Sealant after application of ENVIRO-BARRIER™ VP. For specific applications, please refer to Hohmann & Barnard detail sheets.

Application

- ENVIRO-BARRIER™ VP 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™ VP 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 VP is typically applied at the following coverage rates:

- CMU/Concrete 25 mils wet 60 sq. ft. / gallon
- Exterior Sheathing 20 mils wet 75 sq. ft. / 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.