



1200 Vapor Permeable Liquid Applied Air Barrier System Installation, Safety & Procedure Guideline Manual

IMPORTANT INFORMATION:

1200 Vapor Permeable liquid applied Air Barrier. It is an acrylic membrane that cures to form a seamless membrane around the building envelope.

In its cured state on the wall, 1200 VP is solvent-free, non-toxic and non-carcinogenic.

SAFETY INFORMATION:

- DO NOT breathe vapors. Applicators and other subjected to fumes are required to wear NIOSH approved disposable organic vapor respirators. Medical approval must be obtained for each person who will require a mask. Proper individual fit is required. Displacement of air by solvent vapors can lead to oxygen deprivation causing dizziness, unconsciousness or death. High vapor concentration can overwhelm the filters in the masks. If you detect fumes through the mask or feel lightheaded or dizzy, move to fresh air immediately. Make sure your mask filter cartridges are functioning properly, if not, replace them.
- High pressure airless sprayers are potentially dangerous. Direct spray can penetrate skin or eyes and cause serious injury. If accidental penetration occurs seek medical attention immediately.
- Wear gloves, cap, and coveralls to prevent skin contact.
- Wear safety goggles with side shields. If the 1200 VP membrane gets into eyes, flush with clean water. Seek immediate medical attention with a copy of the MSDS.
- OSHA regulations require a working fire extinguisher and first aid kit in the truck cab. Fire extinguisher should also be accessible at the spray site.
- All barrels, whether full or empty, should be stored in protected areas. Keep them away from children.
- All hazard precautions must be observed when handling emptied containers. Empty drums are not suitable for use as trash containers, rafts, barbeque pits or any similar use.

LIMITATIONS:

- The 1200 VP Air Barrier membrane is designed to be installed in the cavity wall. It is not intended to be used for interior applications.
- Storage temperatures must be above 32°F.
- DO NOT apply the membrane when the temperatures below 40°F are expected within 24 hours.
- DO NOT apply the membrane during wet conditions.
- DO NOT introduce any material that will enhance or dilute the membrane. This will adversely affect its characteristics. DO NOT thin.

INSTALLATION PROCEDURES:

SURFACE PREP:

1. All surfaces must be structurally sound and free from spalled areas, loose aggregate, sharp protrusions or other matter that will hinder the adhesion or regularity of the 1200 VP membrane installation.
2. The surface should also be free from frost, dirt, grease, oil or other contaminates.
3. Surface irregularities and voids should be pretreated with the 1200 Mastic.
4. Masonry Substrates: Surfaces should be smooth and free from projections. Fill all voids and holes, particularly mortar joints to a smooth flush finish with a lean mortar mix or non-shrink grout.
5. Clean and prime substrate joint/connection surfaces to receive transition strip in accordance with manufacturer's instructions

MEMBRANE APPLICATION:

1. Use airless spray equipment having a minimum pressure of 3000 psi to apply the 1200 VP.
2. A high pressure spray hose is required, with a diameter of no more than ½" and a length of no more than 200 ft.



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3. Spray tip size 631 is recommended for best application rate.
4. Proceed to apply the membrane; application should be in multiple, uniform passes, alternating horizontal and vertical passes to ensure complete coverage of the substrate and transition strip material.
5. The coverage rate of the completed membrane application is 24-30 ft²/gal. The wet mil thickness should be 60-80 as determined by a standard mil gauge. The result will be a 30-40 dry mil thickness. Note: The membrane should be firm within 15-20 minutes.
6. Drying time is approximately one hour, given average conditions and standard thickness.

APPLICATION OF TRANSITION STRIP:

1. Ensure that all surfaces are dry, smooth and regular, free from defects and excessive dust.
2. Concrete surfaces must be smooth and without large voids, spalled areas or sharp protrusions. Concrete must be cured a minimum of 14 days and must be dry before 1200 VP TS is applied.
3. Prime all surfaces to receive the EcoFlash using the 1200 primer. Apply primer with a roller, brush or spray equipment at a rate of 100-300 ft²/gallon depending on porosity and texture of the surface. Allow primer to dry prior to membrane installation. Ensure that all primed surfaces receive the EcoFlash in the same day.
4. Use pre-cut, easy to handle lengths for each location.
5. Typically, installation of the transition strip begins at the base of the wall areas.
6. Overlap a minimum of 2" onto both surfaces. When properly aligned, roll back and remove protective film. Place transition strip against surface by pressing firmly with a hand roller. Note: When

using the transition strip with brick ties, position strip, press in place and then cut for ties and protrusions. Seal around any openings with the 1200 Mastic.

7. Seal top edge of transition strip with 1200 Mastic.
8. After transition strips are in place, follow the application procedures for the membrane.
9. Board type cavity wall insulation is then adhered to the 1200 VP membrane after an initial set time of approximately 1 to 2 hours, to prevent convection currents occurring behind the insulation. Once applied the insulation is firmly and permanently adhered into place and cannot be removed. Wedges or clips, normally used to secure the insulation may be reduced.

PROTECTION AND CLEAN-UP:

1. Remove any masking materials after installation.
2. 1200 VP is water-based and can be cleaned with water before fully curing. Cured material can be cleaned with a light solvent such as mineral spirits. Clean any stains on materials that would be exposed in the completed work.
3. The 1200 VP is a UV resistant membrane and can be exposed for an unlimited amount of time. Even though the product is designed for extended UV exposure, good practice calls for covering the membrane as soon as possible to avoid damage.

MAINTENANCE:

1200 VP membrane does not require any maintenance. Damaged areas are easily repaired by spraying over affected areas. Re-coating and/or Cold joints are not a problem; newly applied material easily blends with existing 1200 VP material to provide a monolithic membrane.

PRODUCT ONLY WARRANTY:

The information herein is the best available relating to 1200 VP and the recommendations contained herein are based on tests believed to be reliable.



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Marflex Building Solutions warrants the product to be of good quality and manufactured to meet published physical properties and quality control standards and will replace or refund the purchase price of this product if proved defective within one year of date of application. This warranty does not apply if there is no working drainage system.

Except as specifically provided herein, Marflex Building Solutions makes no warranty, express, implied or oral including but not limited to any warranty or merchantability, fitness for a particular purpose, usage of trade, course of dealing or course of performance in connection with this agreement. In no event shall Marflex be liable on any such warranty with respect to the Marflex 1200 VP Liquid Air/Barrier Membranes. Marflex shall not be liable for incidental or consequential damages including, but not limited to damages of the structure, its replacement, contents or personal injury. Some states do not allow limitations on how long an implied warranty lasts or allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

TECHNICAL SERVICES:

Technical support is available from Marflex Building Solutions. Call toll free: 1-800-498-1411 or Tel: (513) 422-7285

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