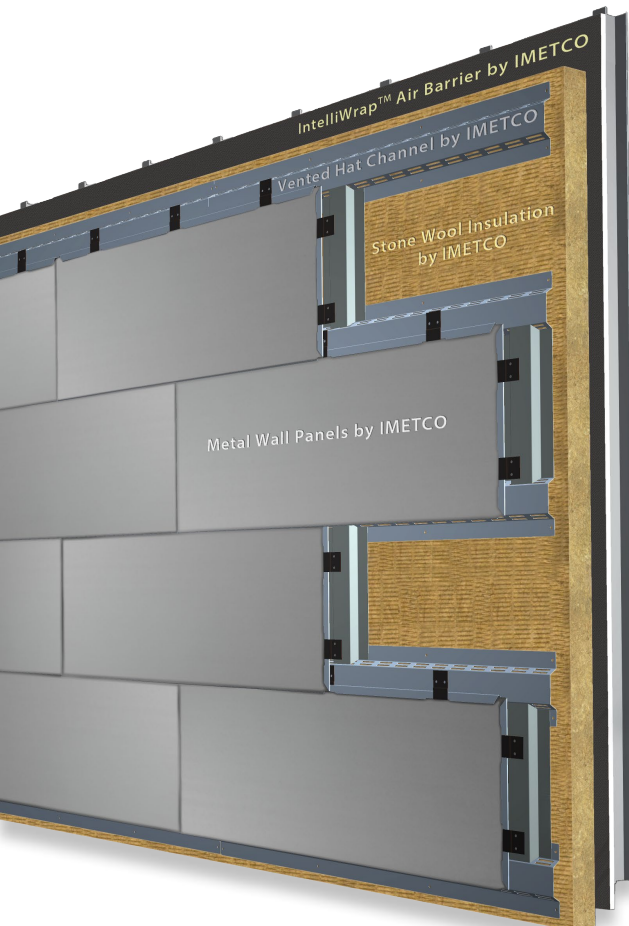




## Material

IntelliWrap™ LVP is a fluid-applied, water-based polymer modified air and water barrier. It is designed to provide a flexible, monolithic barrier when applied over a wide variety of construction surfaces, including masonry, concrete, exterior gypsum board, and wood sheathing. It cures to a tough, durable film with excellent elastomeric and crack bridging capabilities.

Tests indicate that air leakage rates for IntelliWrap LVP are below the detectable limits of the mass flow equipment used to measure air flow. IntelliWrap LVP has leakage rates of less than 0.001 L/s/m<sup>2</sup> when tested in accordance with ASTM E 2178-03, considerably below the 0.004 minimum required. (IntelliWrap LVP is ideal for use as an air, vapor and water control layer when used as a key component of the IntelliScreen™ assembly.)



## Properties

**Moisture Vapor Permeability** - IntelliWrap LVP allows the limited transmission of moisture vapor, reducing the chance for mold growth in your wall assembly.

**Accommodates Building Movement** - IntelliWrap LVP cures to a tough, flexible membrane capable of accommodating building movement while controlling air leakage into and out of conditioned living spaces.

**Continuous Coverage** - When properly applied, IntelliWrap LVP provides a continuous, seamless air and water barrier.

**Promotes Energy Efficiency** - IntelliWrap LVP minimizes the negative impact of air leakage by providing a flexible blanket of protection over the exterior wall assembly prior to the application of the decorative facade. Properly installed IntelliWrap LVP prevents air leakage through the building envelope. By preventing air leaks, the HVAC systems can run at their optimal efficiency. This also prevents moisture transport through the assembly, reducing the potential for condensation and other damaging results such as mold growth. The net result is a more comfortable, healthier and energy efficient building environment.

**Environmentally Friendly** - IntelliWrap LVP is an environmentally friendly, water-based construction material. It contains minimal amounts of VOC. It does not produce any harmful odors, and it is safe for both the applicator and any other personnel in contact with the product.

## Surface Preparation

Prior to the application of IntelliWrap LVP, the applicator shall examine the substrate, job site and surrounding area to ensure that conditions are suitable before commencing work. The application surface should be sound, dry, fully cured, even and free of oil, grease, dirt, excess mortar or other contaminants. All masonry joints must be flush and completely filled with mortar. All excess mortar sitting on masonry ties should be removed. All penetrations should be grouted and filled. If the surface cannot be made smooth to the satisfaction of the owner's representative, apply multiple coats of IntelliWrap LVP over the entire surface.



*IntelliWrap™ LVP is a component of the IntelliScreen™ Complete Rainscreen System from IMETCO®. Contact your IMETCO representative for more information.*





## Application

IntelliWrap LVP should not be applied during inclement weather, and the installation should not proceed in the event that precipitation is probable during the application.

Apply flashings and transition sealants prior to applying IntelliWrap LVP. Refer to IMETCO's application specifications for more detailed instructions. Spray, brush or roll a continuous, uniform film of IntelliWrap LVP at a minimum 64 wet mils to achieve approximately a 40 dry mil membrane. IntelliWrap LVP may have to be applied in two coats to avoid sagging of the material. Alternate horizontal and vertical passes when applying to ensure even thickness and installation.

NOTE: While the proper film thickness may be achieved with a single coat, multiple coats may be necessary or preferred if the material slumps due to environmental conditions.

## Storage

Store materials in a dry area and protect from direct sunlight. Ideally, the materials should be stored inside in a temperature controlled environment (between 60-80° F (15.5-26.6° C). Do not allow IntelliWrap LVP to freeze. Any materials exposed to the elements should be elevated above the ground and covered by a tarpaulin. Materials should not be exposed to excessive heat or direct flame. Store materials indoors or in a controlled temperature environment until immediately prior to use when the ambient temperature is less than 50° F (10° C).

## Precautions

- Protect the air, vapor, and water system from damage during application and for the remainder of the construction period
- Clean spillage and overspray from adjacent construction with an appropriate cleaning agent or consult IMETCO for a suitable cleaning method
- Do not leave the installed air/water barrier exposed to the elements for more than 6 months. Consult your local IMETCO representative if it is necessary to leave the material exposed for longer than 6 months
- Do not install if temperature is below 50° F (10° C)
- Discontinue application if the material cannot be stored at temperatures that permits even distribution of product
- Avoid inhaling the spray mist and take precautions to ensure adequate ventilation. Consult the product SDS prior to applying

## Technical Specifications

Color	Grey
Solids (by weight)	66% +/- 5%
Density	lbs. per gal
Dry Time @ 70°F (21.1°C)	
Tack Free	4 Hours
Full Cure	48 Hours
Nail Sealability ASTM D790	Pass
Elongation ASTM D412 Die C	600%
Low Temperature Flexibility	Pass
Vapor Permeance ASTM E96	> 6.5 Perms
Air Permeance ASTM E2178	Passes <0.001 l/s/m2
Packaging	5 Gallon 55 Gallon
Coverage Rate	25 sqft / gallon
VOC	< 50 g/l

## Spray Equipment Recommendations

Gasoline powered, air- less spray units with a minimum 4,000 p.s.i. rating will effectively spray any IntelliWrap LVP. A reverse-a-clean spray tip with an orifice between .030 and .039 is recommended for spraying IntelliWrap LVP. Most spray systems utilize 150 ft. of hose. Use ½ inch, 5,400 p.s.i. rated hose for the first 100 feet. Use 3/8 in., 4,700 p.s.i. hose for the next 50 feet. A 4 foot, ¼ in. whip line is used immediately before the spray gun to facilitate spraying. Do not mix water and solvent-based material in the hose lines. Clean lines with mineral spirits before switching materials. Clean spray equipment with mineral spirits. A spray unit with an integrated heat exchange unit may be preferred for cooler temperature applications.