

## **SIP Tape**

Lamit's SIP Tape is a laminate of a specially-formulated, permanently pressure sensitive, cured butyl-based adhesive and a unique cross-laminated polyethylene membrane. The adhesive has been designed to have excellent adhesion to oriented strand board (OSB). Lamit's SIP Tape provides an excellent barrier to air and water.

Lamit's SIP Tape is available in widths of 4", 6", 12", and 18". The nominal thickness of the adhesive is 18 mils.

### **Product Benefits**

- Proven technology and durability
- High peel and shear strength
- VOC free
- Can be applied at extreme temperature (-15°F to 180°F)
- Quick and easy installation
- Does not stain
- Superb water vapor transmission resistance (WVTR)

### **Uses**

Warm, moist interior airs escaping into a roof panel can easily become trapped and condense when it comes into contact with cold exterior air. This condensation can promote rot in structural insulated panels SIPs, as well as mold and mildew growth. Sealing the interior joints of wall to roof panels, as well as roof panel to roof panel, will reduce the potential for moisture collection in your SIP constructed buildings.

### **Limitations**

Not recommended for use on substrates with standing water or visibly wet, dirty, or frozen surfaces.

### **Storage**

Lamit SIP Tape is a cured product and will not degrade in normal warehouse storage. In time, due the aggressive adhesion of this product, the release liner may become difficult to remove. For this reason, the recommended shelf life is 12 months. Store indoors, out of direct sunlight between 60°F and 80°F. Always rotate stock.

### **Preparation**

All surfaces must be clean, dry, and free of dirt, grease, oil, and any other contaminants that may interfere with adhesion. Any panel damage must be repaired prior to installing the tape.

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### **Installation**

Position the tape so that it is centered over the panel joint. Peel off several inches of release backing and press firmly into place. To ensure a tight seal and minimize air bubbles and wrinkles, tape should be pressed into OSB at the center, working outward with a smoothing motion to the edges.

Overlaps (T-joints)- Wall to ceiling, or ridge to ceiling tape should be installed before ceiling panels joints are taped. Intersections of ceiling panel tape with tape at the ridge or wall should be detailed so that the ceiling panel tape overlaps by a minimum of 3". Be sure to roll overlaps firmly and carefully to assure an airtight seal.

End of Roll- When the end of a roll is encountered; the new roll should be started by overlapping at least 3" of previously installed tape. Take care to roll overlaps firmly and carefully to assure an airtight seal.

### **Handling**

Lamit SIP Tape contains ingredients that could be harmful if mishandled. Contact with skin and eyes should be avoided and necessary protective equipment and clothing should be worn.

### **Disposal**

Dispose of empty containers, application tools, and any product waste in accordance with application federal state and local regulations.

**Technical Data**

<b>TYPICAL PHYSICAL PROPERTIES *</b>	
Base	Butyl Rubber
Color	Grey face backed by black adhesive
Adhesive Thickness	0.018"
Adhesive Properties Tensile Strength Elongation	100 psi 1,200%
Carrier Film	Cross-laminated high-density polyethylene
Carrier Film Thickness	4 mils (0.004")
Standard Rolls 100' Length 50' Length	4", 6", 9", 12" 12", 18"

<b>Property</b>	<b>Result</b>	<b>Test Method</b>
Adhesion to Plywood One-hour residence One-day residence Seven-day residence	48.6 pounds/foot width 59.8 pounds/foot width 62.4 pounds/foot width	ASTM D903, modified according to D1970
Water Absorption	0.05%	ASTM D1970
Thermal Stability	No flow of adhesive	ASTM D1970
Flexibility Temperature (@ 10X magnification)	No cracks -30 °F	ASTM D1970
Sealability around Nail	Pass	ASTM D1970
Waterproof Integrity after Low Temperature Flexibility	Pass	ASTM D1970
Waterproof Integrity of Lap Seam	Pass	ASTM D1970
Moisture Vapor Transmission Rate Ambient (71 °F./50% RH) 100 °F./18% RH	0.015 grams/sq. meter-hour 0.061 grams/sq. meter-hour	ASTM E96
Interior Emission as TVOC (Total Volatile Organic Compounds)	748 micrograms/meter <sup>2</sup> -hour Formaldehyde - undetected	AQS - 006 Standard