

# Tremco LF Adhesive

## Two Component Solvent Free Membrane Seam Adhesive for POWERply MB

### Composition:

Tremco LF Adhesive is a two component (1:1 ratio), solvent free urethane adhesive for bituminous membranes. It is packaged in a dual cartridge set, and is applied using a 1.5 Liter Dual Component Cartridge Gun. Tremco LF Adhesive is black in color, fast setting, low in odor, and does not contain asbestos.

### Basic Uses:

Tremco LF Adhesive is used as a side and end lap seam adhesive for POWERply SBS membranes. The higher viscosity and quick set of Tremco LF Adhesive enables a watertight overlap seam to be constructed and cured quickly, even at cooler rooftop temperatures.

### Limitations:

- Do not apply onto wet or damp surfaces.
- Not intended for use as an insulation adhesive.
- Do not store in direct sunlight or at temperatures higher than 90°F (32°C)
- Store product so that material temperatures are within the 65°F to 85°F (22°C – 29°C) range during product application.

### Color:

Black

### Packaging:

Available in dual jointed cartridge sets (Parts A & B) at 1.5 Liters (0.40 gal) per set.

There are 4 dual cartridge sets per case for a total of 6L (1.58 gal) per case. Six static mixing nozzles are provided in each case, which are required to properly mix the dual components during application.

Product Advantages	
Features	Benefits
Dual Component	<ul style="list-style-type: none"> <li>• Cures quickly, even in cool weather conditions</li> </ul>
Solvent Free	<ul style="list-style-type: none"> <li>• VOC free</li> <li>• Virtually no odor</li> <li>• No DOT red label for flammable</li> </ul>
Elastomeric	<ul style="list-style-type: none"> <li>• Strong adhesive bond</li> <li>• Compatible with POWERply MB</li> </ul>
Applied using Dual Cartridge Gun	<ul style="list-style-type: none"> <li>• Easy to apply</li> <li>• No bucket mix; applies direct from the gun</li> </ul>

4 half-moon shaped plugs are provided to allow for storage of partially used cartridges.

### Storage Conditions:

Keep material temperatures above 65°F (22°C) and do not exceed 90°F (32°C). Keep product from freezing. Do not store in direct sunlight.

### Storage Life:

1 year in unopened containers when stored in proper warehouse temperatures and conditions. Containers which have been opened must be used within 30 days.

### Application Equipment:

Battery powered and pneumatic powered 1.5 L Dual Cartridge Guns are required for application. The 1.5L Dual Cartridge Guns are available from Tremco.

### Surface Preparation:

Substrates to receive Tremco LF Adhesive must be clean, dry, and free of dirt, dust, debris, oils, loose gravel, coatings, and other contaminants or defects which may result in a substrate that is not sound or is uneven.

### APPLICATION:

#### Equipment Preparation:

Snap off the molded plastic cap on the top of the Tremco LF Adhesive cartridge and screw on a mixing nozzle supplied in the cartridge case. Make sure the mixing nozzle is tight to prevent leakage of the components prior to mixing within the nozzle. Place the dual cartridge set into the battery powered or pneumatic Dual Component Cartridge Gun. Refer to the Tremco Cartridge Gun data sheet for complete operating instructions.

Apply a small amount of Tremco LF Adhesive (6" to 12") onto a scrap ply or into a waste container to ensure the components have mixed properly, then discard the test material. Apply Tremco LF Adhesive directly to the substrate.

Monitor the flow of Parts A and B to assure even, 1:1 ratio flow. Replace mixing nozzle with a new nozzle if application is interrupted for several minutes or if the flow of adhesive becomes obstructed. Open containers of unused Tremco LF Adhesive may be saved for application up to 1 month later by removing the nozzle, cleaning the ports carefully, and closing the cartridge tops with the supplied half moon plugs.

# TREMCO

Roofing & Weatherproofing Peace of Mind™

Tremco LF Adhesive has a working time of 10 to 20 minutes. Beyond this period, the adhesive and lap should not be pulled apart or reset because the adhesive becomes stringy and may not properly rejoin. Final cure will be within 2 to 3 hours.

**Coverage Rate:**

50 linear feet per 1.5L cartridge, applied in a ¾” to 1” wide bead to adhere a 4” wide overlap seam.

**Installation:**

Apply Tremco LF Adhesive to the center of the POWERply 4” side or end lap using the electric or pneumatic dual component 1.5L Cartridge Gun. Bead size shall be ¾” to 1” wide. Within 5 minutes of application, fold the overlapping membrane into the bead of Tremco LF Adhesive. Apply pressure to the lap width using a 10 pound metal lap roller to spread the bead fully and evenly within the 4” wide lap. Allow for Tremco LF Adhesive to exude 1/8” from the lap edge, but take care not to track the adhesive before it has fully cured.

**PowerFast Base Membrane Installation:**

1. Unroll POWERply base membrane; Plan installation so the base membrane lap does not directly align with lap seam of subsequent cap membranes.
2. Install mechanical attachment system, utilizing screws and either barbed plates or batten bar. Align screws down the center of the 4” membrane side lap.
3. Fasteners must engage the structural roof deck and set the seam plate or batten bar tight to the membrane; do not ripple or wrinkle the membrane.
4. Install subsequent POWERply base membrane, overlapping the fastening system 4”. Overlap end laps 6”.
5. Fold back the 4” POWERply base membrane overlap seam and apply a bead of Tremco LF Adhesive centered within each membrane side lap and end lap.
6. Fold adjoining membrane over the applied bead of Tremco LF Adhesive. Ensure complete and continuous contact and seal between adhesive and membrane without wrinkles, fishmouths, and blisters.
7. Immediately roll overlap seam with a weighted roller to spread out the applied bead of Tremco LF Adhesive and fully adhere the 4” POWERply base membrane seam.
8. Complete POWERply roof system as specified.

**Availability and Cost:**

Contact your local Tremco Roofing Representative for pricing and availability. For the name and number of your Representative, call the Tremco Roofing Division at 216/292-5000.

**Guarantee/Warranty:**

Tremco Incorporated warrants Tremco LF Adhesive to be free of defects and to meet published physical properties when tested according to ASTM and Tremco standards. Under this warranty, any Tremco LF Adhesive that is proved to be defective when applied in accordance to our written instructions, and in applications recommended by Tremco as

Physical Performance Characteristics		
Tremco LF Adhesive		
Property	Typical Value	Test Method
Density	8.9 lbs/gal	ASTM D1875
Hardness - Shore A	30-35	ASTM C661
Asbestos Content	none	EPA 600/R-93/116
VOC	none	ASTM D3960

suitable for this product will be replaced with like product at no charge. THIS IS BUYER'S SOLE AND EXCLUSIVE REMEDY. All claims concerning product defects must be made in writing within twelve months of shipment. The absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product. This warranty shall be IN LIEU OF any other warranty, expressed or implied, including but not limited to, any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

**Technical Services:** Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weatherproofing technology, complement and extend the services of the Tremco Technical Service staff.

**Statement of Policy and Responsibility:** Tremco takes responsibility for furnishing quality materials and for providing specifications and recommendations for their proper installation.

As neither Tremco itself nor its Representatives practice architecture or engineering, Tremco offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure on which its products may be applied. If questions arise as to the soundness of a structure or its ability to support a planned installation properly, the Owner should obtain the opinion of competent structural engineers before proceeding. Tremco accepts no liability for any structural failure or for resultant damages, and no Tremco Representative is authorized to vary this disclaimer.



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