

# Tremco LF Adhesive

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

### FEATURES

Dual Component

Solvent Free

Elastomeric

Applied using Dual Cartridge Gun

### BENEFITS

- Cures quickly, even in cool weather conditions

- VOC free
- Virtually no odor
- No DOT red label for flammable

- Strong adhesive bond
- Compatible with

- Easy to apply
- No bucket mix; applies direct from the gun

### DESCRIPTION

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.

### 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.

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

### 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 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.

**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 1" to 1-1/4" 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.

# Tremco LF Adhesive

## APPLICATION CONTINUED

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.

## COVERAGE RATES

26 linear feet per 1.5L cartridge, applied in a 1" to 1-1/4" wide bead to adhere a 4" wide overlap seam.

## 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.

## PHYSICAL PROPERTIES

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

## MAINTENANCE

Your local Tremco Roofing Sales Representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.

## PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

## TECHNICAL SUPPORT

Your local Tremco Roofing Sales Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.



[www.tremcoroofing.com](http://www.tremcoroofing.com)  
3735 Green Road  
Beachwood, Ohio 44122  
1.800.852.6013

50 Beth Nealson Drive  
Toronto, Ontario M4H 1M6  
1.800.668.9879

Tremco Roofing & Building Maintenance is a part of the Tremco Construction Products Group

Tremco is a US Registered trademark of Tremco Incorporated.

The information provided on this data page supersedes all previous data concerning this product and its application.

The Statements provided concerning the materials shown are intended solely as a general guide for material usage and are believed to be true and accurate. Since the manner of use is beyond our control, Tremco DOES NOT MAKE NOR DOES IT AUTHORIZE ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE, OR ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION, EXPRESSED OR IMPLIED, CONCERNING THIS MATERIAL EXCEPT THAT IT CONFORMS TO TREMCO'S PRODUCT SAMPLE. Buyer and user accept the product under those conditions and assume the risk of any failure, injury of person or property and loss or liability resulting from the handling, storage or use of the product, whether or not it is handled, stored, used in accordance with directions or specifications. UNDER NO CIRCUMSTANCE SHALL TREMCO BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING FROM ANY BREACH OF WARRANTY. IN ALL CASES, TREMCO'S LIABILITY IS LIMITED, AT TREMCO'S OPTION, TO THE REPLACEMENT OF GOODS, OR THEIR VALUE, PROVEN TO BE DEFECTIVE IN MANUFACTURING.