

TECHNICAL INFORMATION SHEET

Single-Ply LVOC Bonding Adhesive

Item Description
5 gal Pail

Item Number
W56358715L



Product Information

Description:

Firestone Single-Ply LVOC Bonding Adhesive is a bonding adhesive designed for bonding RubberGard™ EPDM or UltraPly™ TPO membranes and flashings to wood, metal, masonry and other acceptable substrates.

Method of Application:

1. Surfaces to receive Firestone Single-Ply LVOC Bonding Adhesive must be clean, smooth, dry and free of sharp edges, loose and foreign materials, oil, grease and other contaminants. Sweep the mating surface of the membrane with a stiff broom to remove excess dusting agent, if present, and remove other contaminants from the mating surface. **Substrate and ambient temperatures shall exceed 20 °F (-6.7 °C) and rising before applying Single-Ply LVOC Bonding Adhesive.**
2. Stir the adhesive thoroughly before and during use, achieving a uniform mix with no sediment on the bottom and no marbling evident.
3. Apply adhesive at about the same time to both the membrane and the substrate to allow approximately the same flash-off time.
4. Apply by rolling the adhesive evenly on mating surfaces, avoiding globs or puddles.
5. As an option, spray on adhesive and then roll out uniformly and evenly with a solvent-resistant paint roller. **Care must be taken not to apply Firestone Single-Ply LVOC Bonding Adhesive over any area that is to be later cleaned and spliced to another sheet or flashing.**
6. Allow adhesive to flash-off until tacky. Touch the adhesive surface with a clean, dry finger to be certain that the adhesive does not stick or string. Push down and forward on the adhesive at an angle to ensure that the adhesive is ready for mating. Flash-off time may vary significantly depending on ambient air conditions.
7. Starting at the fold, roll the adhesive coated portion of the sheet into the adhesive coated substrate slowly and evenly so as to minimize wrinkles. To ensure mating of the membrane to substrate, broom the top of the mated membrane with a stiff push broom immediately after mating membrane to substrate.

Storage:

- Store in original unopened containers at temperatures between 60 °F (15.6 °C) and 80 °F (26.7 °C) until ready for use. Product must be used within four hours of transport to the roof. Return unused material to warm storage for a minimum of 24 hours.
- For optimum results, rotate your stock to ensure stored material has not exceeded the shelf life of one year.

Shelf Life:

- Shelf life of one year can be expected if stored in original sealed container at temperatures between 60 °F (15.6 °C) and 80 °F (26.7 °C). If exposed to lower temperatures, restore to room temperature prior to use.
- Shelf life will be shortened if exposed to elevated temperatures. Rotate and mix thoroughly to insure stored material will not go beyond the shelf life of one year.

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Coverage Rate:

45 – 60 ft²/gal (1.10 – 1.47 m²/L) shall be obtained depending on the substrate. Some surfaces are more uneven and porous and will result in a lower coverage rate while smooth, nonporous substrates may result in higher coverage rates. Rates are based on roller application to both mating surfaces. When sprayed and back-rolled, the rate may be slightly higher than when rolled only.

Precautions:

1. Review Safety Data Sheet (SDS) prior to use.
2. Flammable. Keep away from fire and open flame and other possible ignition sources during storage and use. Do not smoke when using.
3. Harmful or fatal if swallowed.
4. Avoid prolonged inhalation.
5. Avoid prolonged contact with skin. Gloves should be work (OSHA approved).
6. Avoid eye contact by wearing safety goggles with side shields.
7. Thinning is not allowed.
8. Do not use for splicing.
9. Do not use with UltraPly TPO XR membranes.
10. Use only in well ventilated areas.
11. Cover tightly when not in use.
12. Recommended cleaner is Toluene (while fluid).

LEED® Information:

Post-Consumer Recycled Content: 0%

Post Industrial Recycled Content: 0%

Manufacturing Location: South Bend, IN

*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.



Typical Properties	
Property	Typical Performance
Base	Polychloroprene Rubber
Color	Yellow
Solvents	Tert-butyl Acetate; Ethyl Acetate
Solids by Volume	22%
Viscosity	2,500 – 3,500 Centipoise, R.V.F. Brookfield, #3 Spindle @ 10 RPM
Weight	7.8 ± 0.20 lb/gal
Specified Gravity	0.93 ± 0.20
V.O.C. Content	Actual VOC content, less water and exempt solvents (including Tert-Butyl Acetate is less than 250 grams/liter as supplied and is considered VOC exempt in jurisdictions recognizing such exempt solvents.

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Product Packaging	
Pail	5 gal (19 L)
Weight per Pail	Approx. 40 lb (20.4 kg)
Pails per Pallet	45
Weight per Pallet	1,800 lb (816 kg)

Approved Power Equipment:

Graco Spray Equipment:

287975 30:1 Xtreme® pneumatic pump with Air Assisted Airless package, (1000 psi operating pressure)
Hopper and pump mounted to Heavy Duty Cart, 287884, 288347 Hopper Kit, 222698 Agitator to be mounted by customer,
249133, 249256, 249180 Air Cap for G40 Applicator (800 psi min. fluid atomization; air pressure 80 psi)
GG4321, GG4421 tips

Garlock 2120 Commander Sprayer

18 hp Kohler Engine, 4500 psi Rating, Pump Displacement 45:1, GPM Rating: up to 5 gpm, ½" x 100' hose, 2" intake pipe with screen, 5 or 55 gal drum containers, Graco Spray Tips; .019 to .025 diameter hose (26000 psi operating pressure)

Garlock Twin Gun Airless Sprayer

6.5 hp Honda Engine, 3000 psi Rating, Pump Displacement 30:1, GPM Rating: up to 1 ½ gpm, up to 400' of single ½" diameter hose, up to 200' of dual ½" diameter hose, ½" intake pipe with screen, 5 or 55 gal drum containers, bulk tank containers, Graco Spray Tips: .019 to .025 diameter hose (1850 psi operating pressure)

Please contact Firestone Technical Services at 1-800-428-4511 for further information.

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