



Single-Ply LVOC Bonding Adhesive

Firestone Item Number: W56-358-705L

DESCRIPTION:

Firestone Single-Ply LVOC Bonding Adhesive is a bonding adhesive designed for bonding RubberGard™ EPDM, FormFlash™ 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.
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 throughout its thickness. If either motion exposes wet or stringy adhesive when the finger is lifted, then it is not 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.



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,
222695 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,



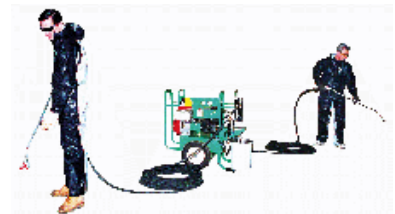
Garlock 2120 Commander Sprayer

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)



Firestone BUILDING PRODUCTS

Single-Ply LVOC Bonding Adhesive

COVERAGE RATE:

- A coverage rate of 45-60 ft² per gallon (1.10-1.47 m² per liter) may be obtained depending on the substrate.
- Some insulation surfaces are more uneven and porous and will result in a lower coverage rate while smooth, non-porous facers 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.

PHYSICAL PROPERTIES:

<u>Property</u>	<u>Minimum Performance</u>
Base:	Polychloroprene Rubber
Color:	Yellow
Solvents:	Acetone; Tert-butyl Acetate; Ethyl Acetate
Solids:	22%
Viscosity:	3300 - 3800 Centipoise, R.V.F. Brookfield, #3 Spindle @ 10 RPM
Weight/Gallon:	7.45 ± 0.15 lb/gal (0.893 kg/L ± 0.018 kg/L)
Specific Gravity:	0.875 to 0.911
V.O.C. Content:	<250 g/L

VOC content is >250 g/L in Air Quality Management Districts (AQMD) that do not exempt TBAC as a VOC in the state of California. Refer to the applicable AQMD rules at www.arb.ca.gov/capcoa/roster.htm. The Environmental Protection Agency (EPA) has exempted Tert-butyl Acetate when calculating volatile organic compounds.

PACKAGING:

- Available in 5 gallon (19 L) pails
- Each pail weighs about 40 lb (18 kg)
- 45 pails per pallet

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.

This sheet is meant to highlight Firestone's products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials, which meet Firestone's published product specifications. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Firestone representative is authorized to vary this disclaimer.

STORAGE:

- Store in original unopened containers at temperatures between 60° F (15.6° C) and 80° F (26.7° C) until ready for use.
- For optimum results, rotate stock to ensure stored material has not exceeded the shelf life of one year.

PRECAUTIONARY INFORMATION:

- Review Material Safety Data Sheet prior to use.
- Flammable. Keep away from fire and open flame and other possible ignition sources during storage and use. Do not smoke when using.
- Harmful or fatal if swallowed.
- Avoid prolonged inhalation.
- Avoid prolonged contact with skin. Gloves should be worn (OSHA approved).
- Avoid eye contact by wearing safety goggles with side shields.
- Thinning is not allowed.
- Do not use for splicing.
- Do not use with UltraPly TPO XR membranes.
- Use only in well ventilated areas.
- Cover tightly when not in use.
- Recommended cleaner is Toluene (while fluid).
- Review Technical Information Sheet 1705, "Recommended Guidelines for Application of Roofing Adhesives to an Occupied Building".

LEED INFORMATION:

Post Consumer Recycled Content:	0%
Post Industrial Recycled Content:	0%
Manufacturing Location:	South Bend, IN

Patent Pending



Firestone Building Products Company

250 W. 96th Street, Indianapolis, IN 46260
Sales: (800) 428-4442 • Technical (800) 428-4511
www.firestonebpco.com