

Technical Information Sheet



Single-Ply LVOC Bonding Adhesive

Item Description	Item Number
5 Gallon Pail	W56358715L

Description

Elevate 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 appropriate insulation / cover boards. **NOTE: Not for use in adhering UltraPly TPO XR membranes.**

Method of Application

1. Surfaces to receive Elevate 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 rise 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 before and during use.
3. Apply Single-Ply LVOC Bonding Adhesive at about the same time to both the exposed underside of the sheet and the substrate to which it will be adhered to allow approximately the same drying time. Apply Single-Ply LVOC Bonding Adhesive evenly, avoiding areas of accumulation.
4. Apply the Single-Ply LVOC Bonding Adhesive with a solvent resistant paint roller and roll the adhesive onto the mating surfaces. When applying Single-Ply LVOC Bonding Adhesive, ensure complete uniform coverage of both surfaces that will be adhered. Care must be taken not to apply Bonding Adhesive over seam areas.
5. Single-Ply LVOC Bonding Adhesive can be dispensed by means of power rollers or industrial spay equipment. Other equipment may be used as recommended by the manufacturer for application of this adhesive. **NOTE:** Spray applied bonding adhesive requires back-rolling with 9" (228.6 mm) wide solvent resistant roller (medium nap) to insure 100% coverage of the adhesive on the substrate and membrane.
6. Allow Single-Ply LVOC Bonding Adhesive to flash off until tacky. Touch down on the Bonding Adhesive surface with a clean, dry finger to be certain that the adhesive does not string. As you are touching the adhesive, pushing straight down to check for stringing, also push forward on the adhesive at an angle to

Method of Application Continued

ensure that the adhesive solvents have flashed off and are ready throughout its thickness. If either motion exposes wet areas or sticking when the finger is lifted, then it is not ready for mating. Flash-off time will vary depending on ambient conditions.

7. Starting at the fold, roll the previously adhesive coated portion of the sheet into the adhesive coated substrate slowly and evenly to minimize wrinkles.
8. To ensure proper contact, compress the bonded half of the sheet to the substrate with a stiff push broom using heavy pressure immediately after mating.
9. Contact a Regional Technical Coordinator at 1-800-428-4511 for specific application information.

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.

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 ensure stored material will not go beyond the shelf life of one year.

Precautions

- Refer to Safety Data Sheets (SDS) for additional safety information.
- 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. Use only in well-ventilated areas.
- Avoid prolonged contact with skin. Gloves should be 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.
- Cover tightly when not in use.
- Recommended cleaner is Toluene (while fluid).

LEED® Information

Post-Consumer Recycled Content: 0%
 Post Industrial Recycled Content: 0%
 Manufacturing Location: South Bend, IN or Rockland, MA
 NOTE: LEED® is a registered trademark of the U.S. Green Building Council



Typical Properties	
Properties	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.

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 1½ 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 Holcim Technical Services at 800-428-4511 for further information.

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