

Technical Information Sheet



Single-Ply LVOC Bonding Adhesive

Item Description	Item Number
Bonding Adhesive	W56358715L

Description

Elevate Single-Ply LVOC Bonding Adhesive is a solvent based contact adhesive designed specifically for adhering Elevate RubberGard™ EPDM or UltraPly™ TPO membranes to approved insulations in addition to wood, metal, masonry, and other acceptable substrates. **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. Substrate and ambient temperatures shall exceed 20 °F (-6.7 °C) and rise before applying Single-Ply LVOC Bonding Adhesive.
2. If pails are exposed to lower temperatures, restore to between 60 °F (16 °C) and 80 °F (27 °C) prior to use. Stir the adhesive thoroughly to achieve 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 membrane and the receiving substrate to allow approximately the same drying time. Apply Single-Ply LVOC Bonding Adhesive evenly, avoiding heavy areas of accumulation.
4. Apply the Single-Ply LVOC Bonding Adhesive using a solvent resistant paint roller and roll the adhesive on the membrane and receiving substrate. When applying Single-Ply LVOC Bonding Adhesive, ensure complete uniform coverage on the membrane and receiving substrate. *Take care not to apply Single-Ply LVOC Bonding Adhesive on membrane seam areas.*
5. Single-Ply LVOC Bonding Adhesive can be dispensed by 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% adhesive coverage.
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 verify that the adhesive does not string. As you are touching the adhesive, pushing straight down to check for stringing, also push forward at an angle to ensure that the adhesive solvents have flashed off throughout its thickness. If either motion reveals wet areas or stringing when the finger is lifted, then it is not ready for mating. *Flash off time will vary depending on ambient conditions.*

Method of Application Continued

7. When the adhesive is ready for mating, roll the adhesive coated portion of the membrane into the adhesive coated substrate slowly and evenly to maintain position and minimize membrane wrinkles.
8. To ensure proper adhesive contact, broom the mated membrane using a stiff push broom with heavy pressure immediately after mating the membrane.
9. Contact your Elevate Regional Technical Coordinator at 1-800-428-4511 for specific application instructions.

Coverage

Coverage rate of roller applied adhesive when both mating surfaces are included is 45 - 60 ft² per gallon (1.10 – 1.47 m² per liter) depending on the substrate. Some insulation surfaces are more uneven and porous requiring heavier coverage, while smooth non-porous substrates may need lighter coverage.

Very porous substrates (rough wood, concrete block) may require two coats of Single-Ply LVOC Bonding Adhesive, to ensure proper adhesion. Check by adhering a small piece of membrane to the porous substrate to verify the bonding strength.

Storage

- Store Single-Ply LVOC Bonding Adhesive in original unopened containers at temperatures between 60 °F (16 °C) and 80 °F (27 °C) until ready for use.
- If exposed to lower temperatures, restore to between 60 °F (16 °C) and 80 °F (27 °C) prior to use.
- For optimum results, rotate 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 for a prolonged period of time.

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 glasses with side shields, or safety goggles.
- For professional use only. Keep out of reach of children.
- Thinning is not allowed.
- Do not use for splicing.
- Do not use with UltraPly TPO XR membranes.
- Cover tightly when not in use.
- Review Safety Data Sheet specified on the Bonding Adhesive container label.
- Recommended cleaner is Elevate Single-Ply LVOC Splice Wash.

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	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	< 250 g/L per EPA Test Method 24 464 g/L per SCAQMD Test Methods 302 - 303
Pail	5 gal (19L)
Weight per Pail	Approx. 40 lb (20.4 kg)
Pails per Pallet	45 – 5 gal pails

Approved Power Equipment

Garlock 25ST Roller Boss Power Roller

4 hp Honda Engine, 4 CFM Compressor, 25-gal pressurized supply tank (20 gal for material; 60-80 psi), Up to 100 psi rating, 2 – ¾" x 30' supply hoses with swivels, 2 – 18" roller head assemblies



Garlock 2120 Commander Sprayer

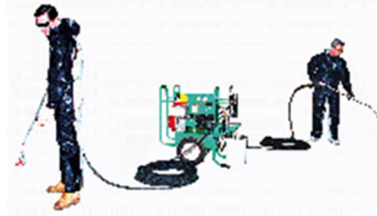
18 hp Kohler Engine, 4500 psi Rating, 5 Gallon per Minute Flow, 1200 psi Pressure (minimum), Pump Displacement 45:1, GPM Rating: up to 5 gpm, ½" x 100' hose, 2" Intake pipe with screen, 5- or 55-gal drum containers, Graco Spray Tip: .023 to .031 diameter hose



Approved Power Equipment (Continued)

Garlock Twin Gun Airless Sprayer

6.5 hp Honda Engine, 3000 psi Rating, Pump Displacement 30:1, GPM Rating: up to 1 gpm, Up to 400' of single ½" diameter hose, Up to 200' of dual ½" diameter hose, ¾" Intake pipe with screen, 5- or 55-gal drum containers, Bulk tank containers, Graco Spray Tip: .019 to .025 diameter hose (1850 psi operating pressure)



Graco Spray Equipment

P70EC4-70 – 70:1 Xtreme Sprayer Package w/Heavy Duty car, Hopper package, w/NXT motor and Data Track, Xtreme-Duty high pressure hose, ¾" x 50', 7250 psi, with ¼" x 6' whip hose, XTR-7 applicator with XHD821-825 tip



Approved Substrates

TIS	Product Name	Approved (✓) / Not Approved
901A	ISO 95+ GL	✓
901B	ISOGARD GL	✓
903	ISO 95+ GL Woodfiber Composite	✓
905A	HailGard Composite Board	✓
905B	ISOGARD HG Composite	✓
909	DensDeck Roof Board	✓
910	DensDeck Prime Roof Board	✓
916	ISOGARD HD Cover Board	✓
917A	Resista	✓
917B	ISOGARD CG	✓
918A	ISOGARD HD Composite	✓
918B	ISOGARD HD Composite	✓
952	Securock Ultralight Glass-Mat	Not Approved
953	Structodek	✓
954	Securock Gypsum-Fiber	✓
956	DensDeck StormX	✓
Substrate		Approved (✓) / Not Approved
EPS		Not Approved
XPS		Not Approved
Fiberglass Insulation		Not Approved
Perlite		Not Approved
Coal Tar Pitch		Not Approved

Approved Substrates (Continued)	
Substrate	Approved (✓) / Not Approved
Structural Concrete (New)	✓
Structural Concrete (Existing) (Clean/Dry/Free of Contaminants)	✓
Steel	Not Approved
Gypsum	Not Approved
Cementitious Wood Fiber	Not Approved
Plywood	✓
OSB	✓
Wood Plank	✓
Lightweight Insulating Concrete (Cellular)	✓
Lightweight Insulating Concrete (Aggregate)	Not Approved
Structural Lightweight Concrete	✓
NOTE:	
Contact a Regional Technical Coordinator for materials or conditions not listed. All substrates must be clean, dry, free of contaminants or debris and prepared properly prior to application.	

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

This sheet is meant to highlight Elevate products and specifications and is subject to change without notice. Holcim takes responsibility for furnishing quality materials that meet published Elevate product specifications or other technical documents, subject to normal manufacturing tolerances. Neither Holcim nor its representatives practice architecture. Holcim offers no opinion on and expressly refuses any responsibility for the soundness of any structure. Holcim 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 Holcim representative is authorized to vary this disclaimer.