

# SB IV ADHESIVE

## DESCRIPTION:

Duro-Last® SB IV Adhesive is a low volatile organic compound (VOC) solvent-based adhesive used to bond Duro-Last Roofing, Inc. membranes to a variety of substrates on horizontal and vertical surfaces.

SB IV Adhesive may be used on the following substrates, after they have been properly prepared, as described in the Duro-Last *Adhered Systems* specification. The installing contractor is responsible for following all applicable building, plumbing and electrical codes.

- Structural Concrete (poured in place or precast)
- Wood (Plywood, OSB or Lumber)
- Polyisocyanurate Rigid Insulation Board
- Duro-Guard® Cover Boards

## ORDERING:

SB IV Adhesive is ordered per 5-gallon pail. Each pail has an approximate finished coverage rate of 300 square feet.



COVERAGE – DURO-LAST, DURO-TUFF® AND DURO-LAST EV MEMBRANES*		
	Per Gallon	Per 100 Sq. Ft.
<b>Roof Deck (Double Application)</b>	120 sq. ft. per surface (Net – 60 ft <sup>2</sup> )	0.83 gallons per surface (Net – 0.415 gallons)
<b>Vertical Applications (Double Application)</b>	Same as Roof Deck	Same as Roof Deck

\* SB IV Adhesive may not be used with fleece membranes.

## STORAGE AND HANDLING

1. Protect product from freezing.
2. Adhesive must not be shipped in temperatures less than 40° F (5° C).
3. Store product between 60° F (16° C) and 80° F (27° C), out of direct sunlight, for maximum shelf life. Shelf life is one year in an unopened container, from date of manufacture, when following these recommended storage procedures.

SB IV ADHESIVE PROPERTIES		
Weight	7 lb. / gallon	35 lb. / pail
<b>Color</b>	Amber	
<b>VOC Content</b>	199.4 g / L	
<b>Viscosity</b>	1,800 – 2,400 CPS	
<b>Total Solids</b>	24% ± 1%	
<b>Base</b>	Synthetic polymer	
<b>Solvent</b>	Ketone blend	
<b>Odor</b>	Strong solvent smell	
<b>Flash Point</b>	< 0° F	< -18° C
<b>Dry Time</b>	5 – 10 minutes	
<b>Open Time</b>	Up to 60 minutes	

**PRECAUTIONS:**

1. Read Safety Data Sheets (SDS) prior to using.
2. Wear proper personal protective equipment, such as gloves and eye protection, per the SDS.
3. Combustible. Do not expose to heat, flame or sparks. Do not smoke while applying.
4. Use only in well ventilated areas and avoid breathing vapors.
5. Keep container closed when not in use.
6. When transferring adhesive between containers, ensure that both containers are grounded.
7. Treat empty containers with caution since they may contain flammable vapors.

**INSTALLATION:**

1. General
  - a. Do not exceed Open Time of 1 hour.
  - b. Apply to surfaces which are clean, smooth, dry and free of oil and grease.
  - c. **Only apply adhesive when the ambient temperature is at least 40° F (5° C) and rising. Adhesive must be stored between 60° F (15° C) and 80° F (26° C) for 24 hours prior to installation.**
  - d. Stir adhesive vigorously, by hand, to achieve homogeneous mixture prior to application.
  - e. Thinning the adhesive is not allowed.
  - f. SB IV Adhesive may not be used with fleece membranes.
  - g. **Do not allow adhesive to contact expanded polystyrene (EPS) or extruded polystyrene (XPS). Damage to EPS and XPS will occur. Squeegees must not be used. Follow instructions on 2.a., below, for proper equipment and installation.**
2. Duro-Last, Duro-Tuff and Duro-Last EV membranes on substrates and vertical applications
  - a. Using a 3/8-inch (medium) nap solvent-resistant roller, apply evenly at a coverage rate of 120 square feet per gallon, per surface, to both the backside of the membrane and to the substrate. This gives a net coverage rate of 60 square feet per gallon (approximately 0.83 gallons per 100 square feet). The coverage rate will vary depending upon the porosity of the substrate.
  - b. Do not apply adhesive where hot-air welding will be performed.
  - c. Allow adhesive to dry (approximately 5 – 10 minutes) until it does not stick or form strings when a dry finger is pushed into it and removed. Dry time will vary according to weather conditions.
  - d. Open time, prior to adhering the membrane to the substrate, may extend up to 60 minutes depending on weather conditions. However, the installer is urged to apply the membrane to the substrate as soon as the adhesive is ready.
  - e. Roll the adhesive-coated membrane onto the adhesive-coated substrate slowly and evenly to avoid trapping air and to minimize wrinkles.
  - f. Apply pressure, by means of a heavy roller or push broom, to ensure proper bonding.
  - g. Refer to the Duro-Last *Adhered Systems* specification for guidelines regarding membrane installation.