

# SB IV ADHESIVE

**DESCRIPTION:**

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

- Duro-Last
- Duro-Last X™
- Duro-Tuff®
- Duro-Last EV

SB IV 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 is ordered per 5-gallon pail.

- 5-gallon pail (Item #1112-010)



COVERAGE RATES		
	Per Pail	Per 100 Sq. Ft.
<b>Roof Deck (Two-sided Application)</b>	600 ft <sup>2</sup> (300 ft <sup>2</sup> finished coverage)	0.33 pail finished coverage
<b>Parapet (Two-sided Application)</b>	Same as Roof Deck	Same as Roof Deck

600 square feet total adhesive:  
 300 square feet on substrate  
 300 square feet on membrane  
 = 300 square feet finished coverage

SB IV PROPERTIES		
<b>Weight</b>	8 lb. / gallon	40 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	

**STORAGE AND HANDLING:**

- Protect SB IV from freezing.
- SB IV must not be shipped in temperatures less than 40° F (5° C).
- Store SB IV 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 pail, from date of manufacture printed on the pail, when following these recommended storage procedures.

**PRECAUTIONS:**

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

**INSTALLATION:**

## 1. General

- Do not exceed Open Time of 1 hour.
- Apply to surfaces which are clean, smooth, dry and free of oil and grease.
- **Only apply SB IV 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.**
- Stir SB IV vigorously, by hand, to achieve homogeneous mixture prior to application.
- Thinning the SB IV is not allowed.
- SB IV may not be used with fleece membranes.
- Do not apply SB IV where hot-air welding will be performed.
- **Do not allow SB IV to contact expanded polystyrene (EPS) or extruded polystyrene (XPS). Damage to EPS and XPS will occur. Squeegees must not be used when EPS or XPS are within the roofing system.**

## 2. Roof Deck and Parapet

- Using a 3/8-inch (medium) nap solvent-resistant roller, apply SB IV 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. The coverage rate will vary depending upon the porosity of the substrate.
- Allow SB IV 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.
- 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 SB IV is ready.
- Roll the SB IV-coated membrane onto the SB IV-coated substrate slowly and evenly to avoid trapping air and to minimize wrinkles.
- Apply pressure, by means of a heavy roller or push broom, to ensure proper bonding.
- Refer to the Duro-Last *Adhered Systems* specification for guidelines regarding membrane installation.