



DURO-LAST® SB IV ADHESIVE

DATA SHEET

Description:

Duro-Last® SB IV Adhesive is a low VOC solvent-based adhesive used to bond Duro-Last roofing membrane to a variety of substrates on both horizontal and vertical surfaces. Acceptable substrates include plywood, oriented strand board (OSB), structural concrete, DensDeck® Prime, SECUROCK® Gypsum-Fiber Roof Board and ACfoam®-IV polyisocyanurate insulation. Contact the Duro-Last Engineering Services Department with questions regarding substrates.

SB IV Adhesive has a VOC content less than 250 g/L and meets all VOC restrictions and regulations in the United States.

Material Safety Data Sheet (MSDS):

Product Name: Duro-Last SB IV Adhesive.
Trade Name: Low VOC PVC Bonding Adhesive.
MSDS Number / Product Code: LA432M.

Precautions:

1. Review MSDS for safety information prior to use.
2. Extremely flammable. Do not expose to heat, flame or sparks. Do not smoke while applying.
3. Use only in well ventilated areas and avoid breathing vapors.
4. Keep container closed when not in use.
5. When transferring adhesive between containers, ensure that both containers are grounded.
6. Treat empty containers with caution since they may contain flammable vapors.
7. Store in the original, unopened, container at temperatures between 60 °F (16 °C) and 80 °F (27 °C) and out of direct sunlight.

Installation:

1. Apply to surfaces which are clean, smooth, dry and free of oil and grease.
2. Only apply adhesive when the ambient temperature is at least 40 °F (5 °C) and rising.
3. Stir adhesive vigorously by hand to achieve homogeneous mixture prior to application. Do not use electrical equipment or open flame near adhesive.
4. Thinning the adhesive is not allowed.

5. 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 (i.e. approximately 1.7 gallons per 100 square feet). The coverage rate will vary depending upon the porosity of the substrate.
6. Do not apply adhesive to the membrane where hot-air welding will be performed.
7. 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. The dry time will vary due to ambient air conditions.
8. Open time prior to mating the membrane to the surface may extend up to 60 minutes depending on the ambient air conditions. However, the installer is urged to apply the membrane to the substrate as soon as the adhesive is ready.
9. Mate the adhesive coated membrane to the adhesive coated substrate slowly and evenly to avoid trapping air and to minimize wrinkles.
10. Immediately broom or roll the membrane into the adhesive to ensure proper bonding.

DURO-LAST SB IV ADHESIVE PHYSICAL PROPERTIES		
Packaging	5 gallon pail.	
Weight	7 lb. per gallon	35 lb. per pail
Base	Synthetic Polymer	
Solvent	Ketone blend.	
Flash Point	< 0 ° F	< -18 °C
Color	Amber	
Odor	Strong solvent smell.	
VOC Content	199.4 g / L	
Viscosity	1,800 - 2,400 cps	
Total Solids	24% ± 1%	
Coverage	120 ft ² per gallon per surface for a net coverage of 60 ft ² per gallon. (i.e. 1.7 gallons per 100 ft ²)	
Dry Time	5 - 10 minutes.	
Open Time	Up to 60 minutes.	
Shelf Life	1 year, unopened.	

Duro-Last: The Proven Performer®