

PRODUCT DATA SHEET

DURO-LAST[®] SB (Solvent-Base) Adhesive

Description:

Duro-Last SB Adhesive is a solvent-based contact bonding adhesive that is designed for use with the Duro-Last fully adhered system. It is suitable for adhering the Duro-Last membrane to a variety of substrates, including polyisocyanurate (ISO), plywood, OSB, Dens-deck[®], Securock[™] and structural concrete. The adhesive is highly volatile and readily gives off vapors that can be ignited by common ignition sources. This adhesive should be used in well-ventilated areas away from common ignition sources. (See MSDS for additional information.) Empty containers should be treated with the same caution. Duro-Last SB adhesive is available in five-gallon pails. In planning work consider environment and weather related conditions such as frost, mist, dew, condensation, humidity, and temperature. Temperature should be above 40° F, more than 5° F above the dew point and rising, long enough for initial cure to occur. Moisture should not be imminent.

Double Sided Application Installation:

Stir the product prior to use. Prepare the surfaces to be bonded by making sure they are clean, dry and free from any contaminants. Duro-Last adhesive should be applied with a solvent resistant 9" medium nap paint roller, in smooth, even coats with no puddles or globs (use caution with quantities as different substrates absorb at different rates). **DO NOT LEAVE CONTAINER OPEN FOR MORE THAN 60 MINUTES. THIS IS YOUR OPEN TIME - DO NOT EXCEED THE OPEN TIME.**

- 1) First, apply adhesive to the substrate at the rate of 50-60 sq. ft. Per .5 gallon and allow to dry.
- 2) Next, apply adhesive to the Duro-Last membrane at the same application rate. Allow the adhesive to become tacky (producing strings) when touched with a dry finger. The product on the membrane cannot be permitted to dry completely.
- 3) The membrane should be carefully rolled onto the adhesive coated substrate, with caution being taken to avoid wrinkles or air pockets, while the adhesive is still flashing off the membrane. Do not wait more than the recommended open time of 60 minutes.
- 4) The bonded membrane should be firmly pressed into place with a stiff push broom or a weighted roller on the topside surface to ensure full contact for a smooth finish. (Finished coverage rate will be 50-60 sq. ft. per gallon bonded surface).

Note: Lift a corner to ensure that the adhesive has good contact between the substrate and the membrane. If the adhesive did not adhere, fold the membrane back until you reach an area of adhesion between substrate and membrane. Reapply a light coat of adhesive to the membrane and re-roll membrane back onto the substrate.

For more information on these and other Duro-Last Products, contact the Duro-Last Engineering Services Department.

E-Mail: engineering@duro-last.com

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Flashing Detail:

Apply adhesive to the wall or cinderblock. Make sure there is adequate coverage on the wall by applying a heavier coating to the wall and slightly lighter coating to the membrane. Note: while the adhesive still feels cool, contact the surfaces together. The adhesive should bond immediately. If blisters appear, pull the membrane away for 2 minutes and re-contact. Use a roller or broom to roll or broom the wall.

Note: Adhesive coverage and bonding strength can be affected by environmental conditions. The ambient air temperature, substrate temperature and the temperature of the adhesive itself must be maintained at 40° F or higher and rising before proceeding with installation. Protect from freezing. The product must be stored between 50° F and 90° F for maximum shelf life. Do not store below 40° F. Shelf life is one year in unopened container when following recommended storage procedures.

Recommended Deposition & Bond Method for different substrates.

G.P. Densdeck	40 sq. ft. / gal (contact)
Densdeck Prime	50-60 sq. ft. / gal (contact)
Isocyanurate, any	50-60 sq. ft. / gal (contact)
Concrete	40-50 sq. ft. / gal (contact)
Masonry, Cinder Block	50-60 sq. ft. / gal (contact)

Physical & Chemical Properties

Boiling Point	133° F (56.1° C)
% Volatiles	73-77%
Odor	Strong Solvent Smell
Density	7.36 lbs / Gal
Vapor Pressure	182 mmHG @ 68° F
Specific Gravity	.883 @ 77° F
Viscosity	2250 cps @77° F sp
Total Solids	30%
Color	Light Amber
Flash Point	<5.0 - °F SETA
Open Time	Approx. 1 Hour



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