

WB II ADHESIVE

DESCRIPTION:

Duro-Last® WB II Adhesive is a polymeric waterborne adhesive used to bond all Duro-Last roofing membranes to a variety of substrates on horizontal and vertical surfaces.

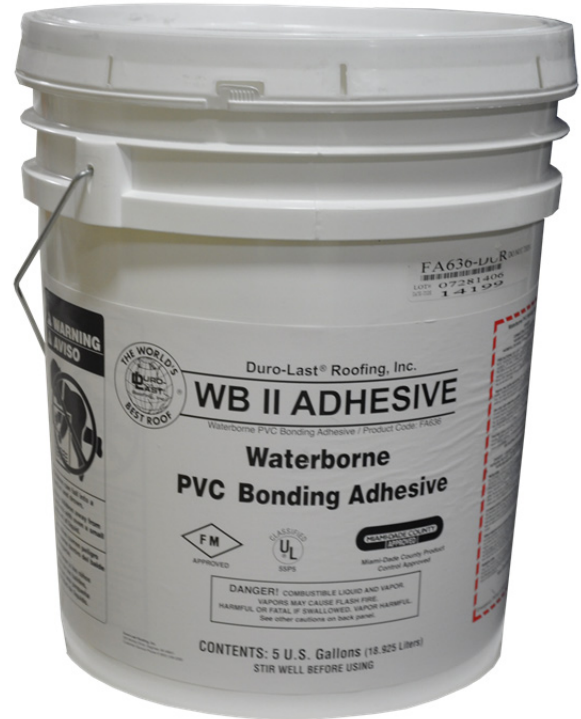
WB II Adhesive has VOC content less than 250 g/L and meets all VOC restrictions and regulations in the United States.

WB II adhesive may be used on the following substrates after they have been properly prepared as described in either the Duro-Last *Adhered Duro-Fleece® Roofing System* specification or the *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® DensDeck® Prime Roof Board
- Duro-Guard DensDeck Roof Board (not recommended)
- Duro-Guard SECUROCK® Gypsum-Fiber Roof Board

ORDERING:

WB II Adhesive may be ordered per 5-gallon pail. Follow coverage rates below for estimating quantities.



COVERAGE – DURO-FLEECE MEMBRANE		
Roof Deck	100 – 120 ft ² / gallon (500 – 600 ft ² / pail)	0.8 – 1.0 gallon / 100 ft ²
Vertical Applications	100 – 120 ft ² / gallon (500 – 600 ft ² / pail)	0.8 – 1.0 gallon / 100 ft ²

COVERAGE – DURO-LAST, DURO-TUFF® AND DURO-LAST EV MEMBRANES		
Roof Deck	140 – 180 ft ² / gallon (700 – 900 ft ² / pail)	0.55 – 0.7 gallon / 100 ft ²
Vertical Applications	180 ft ² / gallon per surface for net coverage of 90 ft ²	0.55 gallon / 100 ft ² per surface

WB II ADHESIVE PROPERTIES		
Weight	9 lb. / gallon	45 lb. / pail
Color	White	
VOC Content	179 g / L	
Viscosity	10,000 – 16,000 CPS	
Total Solids	52% ± 3%	

STORAGE AND HANDLING

1. Protect product from freezing.
2. Adhesive must not be shipped in temperatures less than 50° F (10° 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.

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 3 hours.
- 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 50° F (10° 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.

2. Duro-Fleece Membrane

- a. Using a 3/8-inch (medium) nap solvent resistant roller, apply evenly at a coverage rate of 100 – 120 square feet per gallon to the SUBSTRATE ONLY. The coverage rate will vary depending upon the porosity of the substrate. Do not apply to non-porous substrates.
- b. Do not apply adhesive where hot-air welding will be performed.
- c. Roll the membrane into the adhesive IMMEDIATELY after it is applied. Do not wait for the adhesive to dry. Duro-Fleece membrane must be rolled into wet adhesive.
- d. Roll membrane onto the adhesive coated substrate slowly and evenly to avoid trapping air and to minimize wrinkles.
- e. Apply pressure by means of a heavy roller with a minimum weight of 150 pounds to ensure proper bonding.
- f. For vertical applications, apply adhesive to the substrate at a rate of 100 to 120 square feet per gallon. The coverage rate will vary depending upon the porosity of the substrate.

- For porous substrates, such as concrete block, apply an initial light coating of adhesive as a seal coat. Allow the seal coat to dry thoroughly prior to adhesive application as described above.
 - **Do not allow adhesive to dry.** Place membrane into wet adhesive.
 - Apply pressure to complete the bond.
 - Use appropriate fastening or termination to secure the membrane while the adhesive dries.
- g. Refer to the Duro-Last *Adhered Duro-Fleece Roofing System* specification for guidelines regarding Duro-Fleece membrane installation.

3. Duro-Last, Duro-Tuff and Duro-Last EV Membranes

- a. Using a 3/8-inch (medium) nap solvent resistant roller, apply evenly at a coverage rate of 140 – 180 square feet per gallon to the SUBSTRATE ONLY. The coverage rate will vary depending upon the porosity of the substrate. Do not apply to non-porous substrates.
- b. Do not apply adhesive where hot-air welding will be performed.
- c. Adhesive should be wet or partially dried to a "wet" surface tack prior to bonding membrane. Dry time will vary according to weather conditions.
- d. Roll membrane onto the adhesive coated substrate slowly and evenly to avoid trapping air and to minimize wrinkles.
- e. Apply pressure by means of a heavy roller or push broom to ensure proper bonding.
- f. For vertical applications, apply adhesive to BOTH the membrane and the substrate at a rate of 180 square feet per gallon (for a net coverage rate of 90 square feet per gallon). The coverage rate will vary depending upon the porosity of the substrate.
 - For porous substrates, such as concrete block, apply an initial light coating of adhesive as a seal coat. Allow the seal coat to dry thoroughly prior to adhesive application as described above.
 - Allow adhesive to dry to "finger tack" and then place membrane onto the substrate.
 - Apply pressure to complete the bond.
- g. Refer to the Duro-Last *Adhered Systems* specification for guidelines regarding membrane installation.