

# WB II ADHESIVE

**DESCRIPTION:**

Duro-Last® WB II Adhesive (WB II) 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 has VOC content less than 250 g/L and meets all VOC restrictions and regulations in the United States.

WB II may be used on the following substrates after they have been properly prepared as described in either the Duro-Last *Adhered Roofing System* specification or the *Adhered Duro-Fleece® Roofing System* specification. The installing contractor is responsible for following all applicable building, plumbing and electrical codes.

- Existing Structural Concrete, 3-year aged, or older (poured in place or precast)
- Wood (Plywood, OSB or Lumber)
- Polyisocyanurate Rigid Insulation Board
- Duro-Guard® Cover Boards

**WB II must not be applied to any roofing assembly that includes vapor barrier products.**

**ORDERING:**

WB II is ordered per 5-gallon pail.

- 5-gallon pail (Item #1111)



COVERAGE RATES – NON-FLEECE MEMBRANE		
	Per Pail	Per 100 Sq. Ft.
Roof Deck (One-sided Application)	700 – 900 ft <sup>2</sup>	0.56 – 0.71 gallon
Parapet (Two-sided Application)	350 – 450 ft <sup>2</sup>	1.12 – 1.42 gallons

COVERAGE RATES – DURO-FLEECE MEMBRANE		
	Per Pail	Per 100 Sq. Ft.
Roof Deck (One-sided Application)	500 – 600 ft <sup>2</sup>	0.83 – 1.0 gallon
Parapet (One-sided Application)	Same as Roof Deck	Same as Roof Deck

WB II 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%	
Open Time	Up to 180 minutes	

**STORAGE AND HANDLING:**

- Protect WB II from freezing. WB II will potentially be damaged if exposed to temperatures of 32° F (0° C) or below.
- WB II **must not** be shipped in temperatures less than 50° F (10° C).
- Store WB II 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 WB II 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 3 hours.
- Apply to surfaces which are clean, smooth, dry and free of oil and grease.
- **Only apply WB II when the ambient temperature is at least 50° F (10° C) and rising. WB II must be stored between 60° F (15° C) and 80° F (26° C) for 24 hours prior to installation.**
- Stir WB II vigorously to achieve a homogeneous mixture prior to application. Best results are achieved with a power drill mixer.
- Thinning the WB II is not allowed.
- Do not apply WB II where hot-air welding will be performed.

## 2. Duro-Last, Duro-Last X™, Duro-Tuff® and Duro-Last EV Membranes (Deck Application)

- 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.
- b. WB II should be wet or partially dried to a "wet" surface tack prior to bonding membrane. Dry time will vary according to weather conditions.
- c. Roll membrane onto the WB II-coated substrate slowly and evenly to avoid trapping air and to minimize wrinkles.
- d. Apply pressure by means of a heavy roller or push broom to ensure proper bonding.

## 3. Duro-Last, Duro-Last X™, Duro-Tuff and Duro-Last EV Membranes (Vertical Application)

- a. Using a 3/8-inch (medium) nap solvent-resistant roller, apply WB II to BOTH the membrane and the substrate at a rate of 140 – 180 square feet per gallon (for a net coverage rate of 70 – 90 square feet per gallon). The coverage rate will vary depending upon the porosity of the substrate.
- b. WB II should be partially dried to a "wet" surface tack prior to bonding membrane. Dry time will vary according to weather conditions.
- c. Apply pressure by means of a heavy roller or push broom to ensure proper bonding.
- d. Refer to the Duro-Last *Adhered Roofing System* specification for guidelines regarding membrane installation.

## 4. Duro-Fleece Membrane (Deck Application)

- 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.
- b. **Do not allow WB II to dry.** Place membrane into wet WB II.
- c. Roll membrane onto the WB II-coated substrate slowly and evenly to avoid trapping air and to minimize wrinkles.
- d. Apply pressure by means of a heavy roller or push broom to ensure proper bonding.

## 5. Duro-Fleece Membrane (Vertical Application)

- a. Using a 3/8-inch (medium) nap solvent-resistant roller, apply WB II to the substrate at a rate of 100 to 120 square feet per gallon to the parapet wall SUBSTRATE ONLY. The coverage rate will vary depending upon the porosity of the substrate.
- b. **Do not allow WB II to dry.** Place membrane into wet WB II.
- c. Roll membrane onto the WB II-coated parapet wall substrate slowly and evenly to avoid trapping air and to minimize wrinkles.
- d. Apply pressure by means of a heavy roller or push broom to ensure proper bonding.
- e. Use appropriate fastening or termination to secure the membrane while the WB II dries.
- f. Refer to the Duro-Last *Adhered Duro-Fleece Roofing System* specification for guidelines regarding Duro-Fleece membrane installation.