



# Product Data Sheet

## HYDROBOND™ WATER-BASED PVC BONDING ADHESIVE

### PRODUCT DESCRIPTION

HydroBond™ Water-Based PVC Bonding Adhesive is designed to bond PVC membranes to a clean, dry horizontal surface as a wet lay-in adhesive with slopes up to 2:12. HydroBond can be used with standard PVC, PVC Fleece Back and PVC KEE Fleece Back membranes. This product can also be used as a contact adhesive for vertical applications, such as flashings. This water-based adhesive is specially formulated to be in compliance with the state of California Clean Air Act of 1988 (updated in 1997) and as further regulated by California's Air Quality Control Districts listing VOC limitations. This product also meets the requirements of the OTC Model Rule for Single Ply Roofing Adhesive.



### BASIC USES

HydroBond Water-Based PVC Bonding Adhesive is used for bonding PVC standard, PVC Fleece Back and PVC KEE Fleece Back membranes and PVC standard flashings to a variety of substrates.

**Not for use with PVC KEE standard (non-fleece back) membranes.**

### TYPICAL PHYSICAL PROPERTIES

Typical Properties and Characteristics*	
Color	Light Tan
Avg. Net Weight	9 lbs / gallon
Packaging	5 Gallon Pail
Shelf Life	1 year

LEED Information	
Pre-consumer Recycled Content	N/A
Post-consumer Recycled Content	N/A
VOC Content	<120.5 g/l
Manufacturing Location	Ohio

\*General properties. Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification or specification range for any particular property of this product

### BENEFITS & SUPPLEMENTAL STATEMENTS

- Single sided, wet lay-in application save time and labor
- Long lasting, high-strength bond
- No HAZMAT restrictions
- Applies quickly with medium nap roller
- 12-month shelf life (sealed container)
- May be used as a component in Mule-Hide warranted systems up to 20 years

### COVERAGE RATES

Substrate	Roller (SF / Gallon)	Spray (SF / Gallon)
<b>Standard PVC Membrane application rates (not for use with PVC KEE membrane)</b>		
Polyiso – Paper or Glass Facer	100 sf / gal (2.47 m <sup>2</sup> / L)	133 sf / gal (3.27 m <sup>2</sup> / L)
Dens Deck Prime or SECUROCK		
Plywood		
<b>Fleece Back Membrane application rates (either PVC or PVC KEE)</b>		
Polyiso – Paper or Glass Facer	100 sf / gal (2.47 m <sup>2</sup> / L)	133 sf / gal (3.27 m <sup>2</sup> / L)
Dens Deck Prime or SECUROCK		
Plywood		
Concrete or Cellular deck	100 sf / gal (2.47 m <sup>2</sup> / L)	100 sf / gal (2.47 m <sup>2</sup> / L)

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### CODE APPROVALS/COMPLIANCE

A variety of Factory Mutual Ratings and Underwriter Laboratory Classifications are available. Contact Mule-Hide Technical Department for additional information.

### INSTALLATION TEMPERATURE

HydroBond adhesive can only be used when temperatures are 40°F and rising, and should not be used when temperatures are expected to fall below 40°F during the 72 hour curing period.

### INSTALLATION INSTRUCTIONS

#### Surface Preparation

1. The surface, on or against which adhesive is to be applied, shall be clean, smooth, dry, free of fins, sharp edges, loose and foreign materials, oil and grease. Depressions greater than 1/4" (6 mm) should be feathered; using epoxy, mortar or other approved patching material. All sharp projections shall be removed by sweeping, blowing or vacuum cleaning.

#### Application (PVC Standard, PVC Fleece Back or PVC KEE Fleece Back membranes)

1. Prepare the membrane by positioning the roll. Unroll the membrane completely to achieve the required overlap. Roll up the membrane in preparation for adhesive application. Do not use the 'barn door' method as this may result in long open times allowing the HydroBond to dry. HydroBond is designed as a one-sided, WET lay-in adhesive with no flash-off time and adhesive must not be allowed to dry during the field application process.
2. HydroBond can be applied to the substrate using either an airless spray machine or a medium nap roller. Ensure that adhesive is not applied to the seam area. It is recommended that adhesive is applied no more than 3' to 4' in front of the roll to prevent drying. Drying can occur rapidly in high temperatures. Ensure that adhesive has not dried before the membrane is rolled into place. To ensure a wet lay-in, adjust application technique according to weather conditions. Avoid heavy or light applications of adhesive as the adhesive performance will be affected.
3. Roll the membrane into the WET adhesive coated substrate while avoiding wrinkles. Immediately broom the membrane starting from the center of the sheet and working out to the sides of the sheet using a soft bristle push broom to work out any air bubbles. Immediately after brooming, roll the adhered membrane in two directions using a criss cross pattern using a 75-lb split steel roller. Brooming and rolling of the membrane is required and must occur immediately after the membrane is placed into the wet adhesive.

#### Standard Membrane (vertical flashings – two sided contact method) (PVC only, not for PVC KEE)

It is recommended that vertical flashings be adhered with Low-VOC PVC Bonding Adhesive whenever possible. If Low-VOC PVC Bonding Adhesive cannot be used, then our HydroBOND adhesive can be used as a two sided contact adhesive for vertical flashings.

1. Follow the coverage rates listed above for the specific surface and membrane. Using a 9" medium nap roller, apply the HydroBond as a two-sided application using approximately half the application on the substrate and half the application on the membrane.
2. Let the adhesive dry until the adhesive strings when touched with a dry finger. This may take as long as 10-15 minutes on a warm day or more than 30 minutes in cool temperatures.
3. Once the adhesive has developed strings as described above, set the membrane in place ensuring full contact with the substrate. Roll the membrane with a 3"-wide silicone roller to ensure full adhesion.

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### Standard Membrane (continued)

4. Once adhered, the membrane flashing should be mechanically secured along the top edge. The mechanical attachment must be completed before the end of the work day. Roll the membrane a second time after mechanical attachment to ensure proper adhesion and contact.

REVIEW CURRENT MULE-HIDE SPECIFICATIONS AND DETAILS FOR SPECIFIC APPLICATION REQUIREMENTS.

### PRECAUTIONS

1. Review the applicable Safety Data Sheet for complete safety information prior to use.
2. Keep container closed when not in use. Use with adequate ventilation.
3. If swallowed, **DO NOT INDUCE VOMITING**. Call a physician immediately.
4. Avoid contact with eyes. Safety glasses or goggles are recommended. If splashed in eyes, immediately flush eyes with plenty of clean water for at least 15 minutes. Contact a physician immediately.
5. Avoid contact with skin. Occasional contact with hands or skin does not result in significant irritation unless it is not allowed to evaporate. Prolonged contact may cause irritation and dermatitis. Wash your hand thoroughly after handling.
6. Job site storage temperatures in excess of 99°F (37°C) may affect product shelf life. **DO NOT ALLOW PRODUCT TO FREEZE**. Do not store at temperatures below 40°F.
7. Do not thin HydroBond Adhesive. Thinning will adversely affect performance.
8. HydroBond adhesive can only be used when temperatures are 40°F and rising. Do not apply if ambient temperature will drop below 40°F during the 72 hour curing period.
9. Adjust application technique according to weather conditions to ensure proper application.

### **10. KEEP OUT OF REACH OF CHILDREN.**

### PROTECTION & SAFETY

Mule-Hide maintains Safety Data Sheets on all of its non-exempt products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers. Mule-Hide's Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Mule-Hide products in your facilities.

### ADDITIONAL INFORMATION

The information given on this PDS is subject to change without notice. Always check the Mule-Hide website at [www.mulehide.com](http://www.mulehide.com) for the latest information, changes and updates or contact Mule-Hide Products Company at 800-786-1492.

### DISCLAIMER

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