



PO Box 6256
Mobile AL, 36606
1-800-771-6643

PRODUCT DATA SHEET

TPO Water Based Bonding Adhesive

DESCRIPTION

All Purpose Bonding Adhesive is a water based contact adhesive designed to attach EPDM, PVC, or TPO membranes to High Density Wood Fiberboard, Polyisocyanurate, and other approved substrates. This product conforms to many air quality authority requirements and may be substituted for other solvent and water based bonding adhesives.

PRODUCT DATA

- Container size: 5 Gallon Pails.
- Store indoors in original unopened containers. Keep from freezing, do not store below 55°F.
- Product should not be stored in direct sunlight.
- Shelf Life: One year in unopened containers.
- Coverage Rate: Approx. 1 gallon will cover approximately 120 ft² of finished roof surface. The coverage rate will decrease according to the porosity of the substrate (block, gypsum board, etc.).
- Material Safety Data Sheet available upon request.

APPLICATION PRECAUTIONS

- Do not apply horizontally to non-porous surfaces such as polyethylene and foil faced polyisocyanurate insulation.
- Avoid globs or puddles of adhesive.
- Do not apply adhesive to seam area.
- Adhesive must be dried completely to a finger touch/push tack test prior to bonding of membrane to substrate. The product dries from a white film to a transparent film. Do not install the membrane until the adhesive has adequately dried.
- Install at temperatures above 40°F and rising.
- The outside temperature, on the roof, must be above 40°F for a period of 24 hours after installation.
- Drying times will vary depending on ambient conditions including relative humidity and porosity of the substrate.
- Avoid installations where high levels of interior moisture are present in levels high enough to effect the drying time or performance of the adhesive.
- Porous substrates like block require more adhesive coverage. (Typically 80-90sq ft/gal).

PRECAUTIONARY DATA

- Avoid prolonged and repeated contact with skin.
- Keep out of reach of children.
- DO NOT THIN.
- Keep adhesive from freezing.
- Cleanup with warm soap and water while material is still wet. Once dried, it may be cleaned with very hot water, some mild citric solvent, or paint thinner.

INSTALLATION

Horizontal:

- The deck surface must be clean, dry, smooth, and free of any foreign materials, grease, or oil.



PO Box 6256
 Mobile AL, 36606
 1-800-771-6643

PRODUCT DATA SHEET

TPO Water Based Bonding Adhesive

- Position the membrane over approved substrate and allow to relax for one-half (1/2) hour prior to bonding
- Stirring of the adhesive is recommended. DO NOT THIN THIS MATERIAL.
- Fold membrane back so one-half (1/2) of the underside of the panel is exposed.
- Using a 9" medium nap roller, apply adhesive continuously onto the substrate and membrane. Cover the substrate and membrane at a coverage rate of approximately 120 sq ft/gal. A 100% adhesive coverage is required for both the membrane and the substrate.
- Allow the adhesive to dry completely to dry finger touch/push test. Upon drying, the adhesive goes from a light white film to a transparent or clear film. Do not install the membrane until the adhesive has adequately dried.
- Fold the membrane into adhesive, avoiding wrinkles. Using a push broom apply positive downward pressure to the surface of the membrane to promote 100% adhesion.
- Fold back the unbonded half sheet and repeat the bonding procedure.

Vertical:

- For extremely porous substrates such as concrete blocks, apply a light seal coat of the adhesive to the substrate and allow it to dry.
- Using a 9" medium nap roller, apply adhesive continuously on to the substrate and membrane. Cover the membrane and wall at a coverage rate of approximately 120 sq ft/gal. A 100% adhesive coverage is required for both the membrane and the wall.
- Allow the adhesive to dry completely to dry finger touch/push test. Upon drying, the adhesive goes from a light white film to a transparent or clear film.
- The flashing membrane should be mechanically secured to the wall, per the selected termination detail, immediately after it is adhered to the wall.

WARRANTY

American WeatherStar warrants that the material supplied will meet or exceed physical properties as published. The contractor guarantees that workmanship will be free of defects in coating application. Since performance of previously installed substrate is beyond the control of American WeatherStar or the contractor, requests for additional warranty coverage shall be subject to prior approval by American WeatherStar.

PHYSICAL PROPERTIES

PROPERTY	PHYSICAL PROPERTIES
Base:	Synthetic
Color:	White
Solids:	62.5% ± 1%
Solvents:	Water
Weight:	8.8 lbs./gal (nominal)
Specific Gravity:	1.1 (Nominal)
Viscosity:	16,000 ± 500 cps (white creamy paste)
Volatile Organic Compound:	8 g/L (minus water)