



Product Description:

IB TPO Water Based Adhesive is a one-part water-based adhesive designed for bonding IB TPO SM Membranes and IB TPO FB Membranes to wood, concrete, approved polyisocyanurate insulations, and other cover boards rated for adhered applications. IB TPO Water Based Adhesive is extremely user friendly and ideal for fully adhered roofing applications. Meets all VOC restrictions and regulations in the United States.

Use:

- Easy to apply, saves labor
- May be rolled or brushed on

Packaging:

1 Container – 5 U.S. Gallons, 45 per pallet

Weight:

46 lbs. (20.9 Kg), 8.26 lbs. per U.S. Gallon

Colors:



Approvals:



Refer to individual assembly approvals for additional information and requirements.

Temperature Guidelines/Storage & Handling:

Store in a dry area, indoors, out of direct sunlight in the original unopened container.

Optimum product storage temperature: 60-80°F (15-27°C) for 24 hours prior to use.

Internal Chemical Temperature at Application: Warm or cool product temperature to 60-80°F/15-27°C prior to use.

Outside Application Temperature: Ambient temperature is 40°F (4°C) and rising for 48 hours.

Substrate Surface Temperature Range: 50-100°F (10-38°C). Temperatures above or below Optimal Application range require additional monitoring and may affect tack/cure times, adhesion performance and application rates.



Product details stated are nominal as manufactured, and the results of tests and/or calculations and therefore are non-binding and do not represent a guarantee or warranted characteristics. User and/or designer are responsible for confirming suitable performance for specific application and conforming with all applicable laws and regulations.

Physical Properties	
VOC	10 grams/Liter
Specific Gravity	0.99
Coverage Rates*	
1-sided	140-220 ft ² /gal
2-sided	140 ft ² /gal
*Coverage varies depending on job site conditions, ambient and adhesive temperature and the porosity of the substrate the adhesive it is applied to.	
** For one-sided application, full adhesive is applied to the substrate.	
***For two-sided application, half of the adhesive is applied to the substrate and half of the adhesive is applied to the membrane.	

Limitations:

- Limited availability from October 1st through April 15th
- DO NOT ALLOW PRODUCT TO FREEZE. Once frozen, the IB TPO Water Based Adhesive will not return to its original state and is no longer useable.
- Do not use when ambient, substrate or product temperatures are outside specified temperature ranges.
- Do not use during inclement weather, on wet surfaces or on any substrate showing signs of deterioration or loss of structural integrity.
- Do not apply adhesive if there is a possibility of temperatures falling below 40°F (4°C) within 24 hours of application.
- Use open containers within 48 hours of opening. Replace lid on can when not in use. Adhesive that has changed color or viscosity is no longer usable.
- Do not use after the expiration date.



Application:

Refer to IB TPO Specifications and Construction Details for additional installation instructions.

- IB TPO Water Based Adhesive should be applied to a structurally sound substrate that is clean, dry, free of frost, oils, soaps, silicone, or loose material that may inhibit bonding.
- Adhesive should be applied at temperatures of 50°F and rising. Do not apply adhesive if there is a possibility of temperatures falling below 40°F (4°C) within 24 hours of application. Stir adhesive thoroughly before use.
- IB TPO Water Based Adhesive should be evenly applied with 3/8" medium nap solvent resistant roller or squeegee to the approved substrate.
- For one-sided applications, apply at the approximate rate of one gallon per 140-220 square feet for TPO SM membranes and TPO FB membranes.
- For two-sided applications apply at the approximate rate of one gallon per 140 square feet applying half of the adhesive to the substrate and half of the adhesive to the underside of the membrane.
- Roll membrane with a vinyl roller to make positive contact with substrate and to remove any air bubbles.
- Membranes must not be applied during adverse weather or without precautionary measures in temperatures below 40°F (4°C).

Note: When applied, the wet color is blue. Adhesive changes color to dark green to provide a visual indicator that it is ready for membrane application.

Refer to www.ibroof.com for additional installation instructions.

Go to <https://ibroof.com/tds> for the most up-to-date version of this document.

Toll Free: 800-426-1626

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