

Product Description

Kingspan TPO Water Based Membrane Bonding Adhesive is a water-based adhesive for adhering Kingspan TPO Membranes to Kingspan ISO GF and ISO CG insulation, Kingspan ISO HD CG cover board, and other approved substrates. Seasonally available product. See details below under Application.



Manufactured in the U.S.A.

The Kingspan TPO Water Based Membrane Bonding Adhesive is manufactured in the U.S.A. with globally sourced materials.



Codes & Approvals



Features & Benefits

- **Great Coverage Rates:**
 - 140-220 sq. ft. per gallon accounting for single-sided application of smoothback TPO membrane.
 - 140 sq. ft. per gallon accounting for double-sided (typically vertical) application of smoothback TPO membrane.
- **Adhesive Color Indicator Technology** let's the installer know when it's ready for application.
 - For singled-sided, horizontal application the adhesive will appear bright blue when wet and ready for wet lay-in application.
 - For double-sided, vertical applications the adhesive appears dark green when ready for application.
- **Installation Temps:** 40°F and rising over at least a continuous 48-hour period.
- **Re-sealable Pail:** allows installers to take it from job to job. Use of open containers should be limited to 48 hours after initial opening. Adhesive that has changed color or viscosity is no longer usable.

Application

- This product is available from October 1st to April 15th in line with seasonal weather patterns. Please contact Kingspan's Technical Team for guidance around temperature application and approved usage.
- Approved for use in jurisdictions limiting VOC content of single ply roofing adhesives to no greater than 250g/l.
- Install at ambient temperatures of 40°F and rising. Do not apply adhesive if there is a possibility of freezing temperatures within 24 hours of application.
- Before applying Kingspan TPO Water Based Membrane Bonding Adhesive, ensure the applied surface is free of dirt, dust, or other potential contaminants.
- Stir the adhesive thoroughly to achieve a uniform mixture with no sediment on the bottom. Continue to stir periodically before and during use to ensure uniformity of mixture.

- Highly porous surfaces, such as rough wood or concrete block may require two applications / layers of Kingspan TPO Water Based Membrane Bonding Adhesive to ensure proper adhesion. To verify bonding strength, apply a small test piece of membrane to the substrate.
- Apply Kingspan TPO Water Based Membrane Bonding Adhesive to the mating substrate at specified coverage rate. Using a paint roller, dip and roll the adhesive on the membrane. Apply evenly to avoid puddling or areas with excess adhesive. Do not apply adhesive near seams where a hot-air welder will be used. Power rollers or other industrial spray adhesive equipment can be used for application.
- For singled-sided, horizontal application, the adhesive will appear bright blue when wet and ready for wet lay-in application.
- For double-sided, vertical applications the adhesive appears dark green when ready for application.
- Prior to any film formation on the adhesive, carefully roll the TPO membrane onto the adhesive-covered substrate, doing so slowly and evenly to maintain alignment and avoid wrinkles.
- To ensure strong membrane-to-substrate adhesion, immediately broom the bonded membrane with firm pressure using a stiff push broom following by a roller.

Safety Precautions

- Be sure to use proper equipment and assistance when moving, lifting, handling, or transporting to avoid personal injury as well as avoid damaging the material.
- Reference the Kingspan product Safety Data Sheet for additional safety information.

Storage

- Store the Kingspan TPO Water Based Membrane Bonding Adhesive away from objects that could cause physical damage or create punctures as well as ignition sources.

Shelf Life & Proper Storage

- Store the Kingspan TPO Water Based Membrane Bonding Adhesive indoors and away from direct exposure to sunlight.
- From the date of manufacture, a shelf life of 12 months can be expected when stored in its original packaging and in a temperature-controlled environment between 60°F and 80°F.

Typical Properties & Packaging Information

SKU	Material	Size	Weight	Color	Coverage Rate	VOC Content	Shelf Life
600000001515	Proprietary Water-Based formula	5 Gallon Pail	46 lb. (20.9 kg)	Varies	140-220 sq. ft. per gallon	< 10 g/L (calculated)	12 months

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For the product offering in other markets please contact your local sales representative.

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