

Product Description

The Kingspan Low-Rise Foam Adhesive Canister comes in two portable pressurized canisters (Part 1 and 2), that mix at a 1:1 ratio and are extruded through a connecting hose to the spray applicator.

The adhesive is then applied in bead pattern for the attachment of Kingspan ISO GF and ISO CG insulations, Kingspan ISO HD CG and DensDeck® cover boards, and Kingspan Vapor Barrier SAR membrane to approved substrates.



Manufactured in the U.S.A.

The Kingspan Low-Rise Foam Adhesive Canister and accessories are manufactured in the U.S.A. with globally sourced materials.



Features & Benefits

- **HFO Blowing Agent** formulation has low Global Warming Potential (GWP) and is compliant with regulations in the United States.
- **Fast insulation and cover board installation** typically 4-8 minutes before setting the next board.
- **Low VOC formulation** approved for use in jurisdictions that limit adhesive VOC content to 250 g/L or less.
- **Great Coverage Rates:** up to 3,500 sq. ft. per canister set for 12-in. o.c.
- **Maximize rooftop efficiency and maneuverability** quick canister setup and no equipment or cart needed to install.
- **Turn-Key Solution:** all needed accessories are included with the purchase of Part 1 and 2 adhesive canisters.
 - Part 1 includes the 25 ft. hose and spray applicator assembly as well as 4 mixing tips, 3 – 14.5-in. extension tubes, 9/16" wrench, and a packet of O-ring lubricant.
 - Additional accessories including the 25 ft. hose and spray applicator assembly, additional mixing tips, and additional extension tubes can be ordered. Product ordering details below.

- **Re-sealable Canisters** allow installers to take it from job to job for up to 30 days after opening.
- **FM approved assemblies** for insulation attachment.
- **Broad Range of Approved Substrates** for attachment including steel (22-gauge or thicker), plywood, gypsum, structural concrete, cementitious wood fiber plank, lightweight insulating concrete, smooth surface Mod Bit and BUR, base sheets as well as Kingspan ISO GF and ISO CG insulations, Kingspan ISO HD CG and DensDeck® cover boards, and Kingspan Vapor Barrier SAR membrane.
- **Year-Round Usage:** apply in ambient temperatures of 40°F and rising.
- **Odor-Free Formulation** preferred by commercial roofing projects on schools, hospitals, and other occupied buildings.
- **Non-Penetrating** attachment system.

Codes & Approvals



Safety Precautions

- Be sure to use proper equipment and assistance when moving, lifting, handling, or transporting to avoid personal injury as well as to avoid damaging the material.
- Prior to Setup: Always dispense Kingspan Low-Rise Foam Adhesive Canisters in a well-ventilated area while wearing appropriate personal protective equipment (PPE). Reference the Kingspan Safety Data Sheet for additional information.

Set Up

- The adhesive is designed for use in temperatures of 40°F and rising when both the adhesive and substrate are at least 40°F. Always determine the proper open/mate time based on jobsite conditions before adhering materials.
- This adhesive should be installed with 4-ft. x 4-ft. (maximum) insulation boards and only install as much insulation as can be made watertight on that day.
- Hose and Gun Assembly Instructions: Remove the hose and spray gun assembly from the Part 1 (red) carton and remove the Part 1 and Part 2 canisters from their cartons. Shake both canisters back and forth 30 times to ensure proper mixing. Return them to their cartons and route the hoses through the holes on the side of each carton. Attach the red-striped hose (Part 1) to the valve outlet on the red canister, tightening it finger-tight. Attach the clear hose (Part 2) to the white canister's valve outlet, again finger tight. Using the provided $\frac{9}{16}$ " (14 mm) wrench, tighten each hose connection an additional $\frac{1}{8}$ turn until secure. Do not overtighten. Close each carton lid to protect the contents from sun, wind, and debris.
- Mix Tip Installation: Apply a small amount of lubricant to the black rubber O-ring on the spray gun. Snap the mix tip over the O-ring to secure it in place. If needed, attach extension tubes to the mix tip for easier bead application.

Application

- Ensure substrates are clean, dry, and free of sharp edges, debris, oil, grease, and other contaminants.
- Before applying to the substrate, dispense a small amount of adhesive into a waste container to ensure proper 1:1 mixing of Part 1 and Part 2, which will appear as a smooth, continuous bead.
- The Kingspan Low-Rise Foam Adhesive is dispensed from the applicator as a semi-foamed bead that expands several inches and rises approximately $\frac{3}{4}$ " to 1" above the substrate. Apply the adhesive to meet specified wind uplift requirements – bead spacing could be 12-in., 6-in., or 4-in. on center.
- Allow the adhesive to reach its appropriate mate time, which is when long strings of tacky material can be pulled away from the surface of the beaded adhesive by touching it with the edge of a small tool.
- Once mate time achieved, position the 4-ft. x 4-ft. insulation boards onto the adhesive and immediately apply continuous pressure to the boards (use items like filled adhesive pails) to ensure solid contact between the insulation, substrate, and adhesive during the typical 4–8 minute set-up period, which may vary based on ambient temperature and weather conditions.
- Spray Gun Safety: The spray gun has a trigger lock. Make sure it is engaged when the gun is not in use to prevent accidental spraying.
- Further Guidance: Always refer to the Kingspan Application Guide for detailed application procedures and best practices.

Shelf Life & Proper Storage

- Store the Kingspan Low-Rise Foam Adhesive indoors and away from direct exposure to sunlight.
- From the date of manufacture, a shelf life of 16 months can be expected when stored in its original packaging and in a temperature-controlled environment between 60°F and 80°F. Bring canister to 70°F before application and do not allow canister temperature to exceed 110°F.
- Reference the Safety Data Sheet for additional information.

Typical Properties

	Ordering SKU	Material	Color	Coverage Rates			VOC Content	Shelf Life
				12" bead o.c.	6" bead o.c.	4" bead o.c.		
Part 1	600000001361	MDI	Brown	3,500 sq. ft. per Canister set	2,200 sq. ft. per Canister set	1,500 sq. ft. per Canister set	11 g/L	16 months
Part 2	600000001362	Polyol	Red					

Packaging Information

	Size	Weight
Part 1	Canister	48 lbs. (21.8 kg)
Part 2		44 lbs. (20.0 kg)

Accessories Ordering SKU Information

Ordering SKU	Products
600000001366	Kingspan Low-Rise Foam Adhesive Canister - 14.5-in. Extension Tubes 10ct
600000001367	Kingspan Low-Rise Foam Adhesive Canister - Mixing Tips 10ct
600000001368	Kingspan Low-Rise Foam Adhesive Canister - 25 ft. Hose + Gun Applicator

Kingspan Roofing + Waterproofing, Inc.
4115 N. Perkins Road | Stillwater, OK 74075

T: +1 (800) 260-0365 E: support.krw@kingspan.com
www.kingspanroofing.com

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