

# Tremco Low Rise Foam Insulation Adhesive (BG)

*Solvent Free, Fast Setting Insulation Attachment Applied Using a 2 Component Pump Cart*

## FEATURES

Solvent Free

2-Component

Non-penetrating attachment

## BENEFITS

- VOC free
- Low odor
- Not flammable

- Sets in minutes
- Applied using pump cart for increased production

- No fastener back out
- No corrosion
- Minimizes installation noise

## DESCRIPTION

Tremco Low Rise Foam Insulation Adhesive (BG) is a two component (1:1 ratio), solvent free, elastomeric urethane adhesive. Tremco Low Rise Foam Insulation Adhesive (BG) is asbestos free, extremely low in odor, and does not contain any bitumen.

## BASIC USES

Tremco Low Rise Foam Insulation Adhesive (BG) is a fast-setting, high-performance adhesive used in roofing systems for bonding approved insulations to base sheets, structural roof decks, and other approved insulations.

Refer to UL Roofing Materials and Systems Directory and/or FM Approvals RoofNav® for applicable system configurations.

## APPROVED INSULATIONS

- HD wood fiber (ASTM C 208, Type 2, Grade II)
- Polyisocyanurate board
- Polystyrene
- Gypsum cover board ASTM C1177 & ASTM C1278
- 4' x 8' gypsum roof boards are acceptable
- Asphaltic roof board

## APPROVED SUBSTRATES

- Concrete roof decks
- Cementitious wood fiber decks (Tectum)
- Steel deck
- SBS Modified Bitumen membranes (smooth or granule)
- Asphalt base sheets
- Approved insulations in multi-layer constructions
- Smooth or gravel BUR (remove loose gravel)

## PACKAGING

Available in disposable bags in a corrugated box for application using the approved low pressure adhesive pump cart.

- 5 gal. (18.9 L) Part A
- 5 gal. (18.9 L) Part B

Also available in 30 gallon kits, consisting of 15 gal Part A and 15 gal Part B, and in 100 gallon kits, consisting of 50 gal Part A and 50 gal Part B.

## STORAGE

**Storage Conditions:** Keep material temperatures above 45°F (7°C) and do not exceed 95°F (35°C) during storage. **KEEP FROM FREEZING.** Do not store in direct sunlight. Store in boxes valve side up.

**Storage Life:** 1.5 years (18 months) in unopened containers when stored in proper warehouse temperatures and conditions.

## APPLICATION

### EQUIPMENT:

**Cyclone Pump Cart for 10 gal. Kits:** A low pressure adhesive pump cart designed to dispense two component 1:1 ratio low viscosity adhesives. Part A and Part B Components

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## APPLICATION CONTINUED

are mixed at the dispensing gun to apply a single bead of low rise foam adhesive. Each gun has a 35 foot dual material line. Pump is powered with 110 Volt, 60 Hz AC.

**Approved Pumps:** The 30 gal. and 100 gal. kits are applied using 1:1 ratio dispensing equipment designed for fast setting urethane foam adhesives.

### **SURFACE PREPARATION:**

**General:** All work surfaces should be clean, dry, and free of dirt, dust, debris, oils, loose gravel, un-adhered coatings, deteriorated membrane and other contaminants or defects that may result in a surface that is not sound or is uneven.

**Existing roof surfaces (recovers):** All loose gravel must be entirely removed from gravel surfaced BUR membranes. This can be achieved by power brooming, dry vacuuming, or wet vacuuming. If wet vacuum is used the roof surface must be allowed to dry completely before applying primer and adhesive. Blisters in the existing roof membrane must be removed to allow insulation boards to lay flat. Prime BUR and smooth APP modified bitumen surfaces with Tremco SP Primer at a coverage rate of 300 to 400 ft<sup>2</sup>/gal (7.4 to 9.8 m<sup>2</sup>/L). Primer is not required for granulated modified bitumen membranes. For application over existing coated roof surfaces (e.g. aluminum, white elastomeric, etc.) the coating must be well adhered. Conduct a pull test to verify adhesion.

**Vapor retarder surfaces:** temporary roof membranes or vapor retarders consisting of asphalt glaze coated felts or new smooth APP or SBS modified bitumen membranes must be primed with Tremprime WB at 200 to 400 ft<sup>2</sup>/gal (4.9 to 9.8 m<sup>2</sup>/L). Primer is not required for sand-surfaced SBS membranes.

### **APPLICATION:**

**Low pressure pump system:** Remove plastic packages from corrugated boxes using pull-tabs. **DO NOT USE A KNIFE OR SHARP TOOL!** Load Part A plastic package valve side down onto pump tray labeled Part 1 and connect black quick connect fittings. Load box labeled Part B valve side down onto pump tray labeled Part 2 and connect gray quick connect fittings. Note; improper loading can result in cross contamination in the supply lines and pumps and seriously damage the machine.

Before installing mixing tip hold gun assembly over a waste container and open valves. Allow a small amount of material to run out and ensure 1 to 1 ratio flow of materials. Do not proceed with adhesive installation if flow is not on a 1 to 1 ratio. Close valves and install a small amount of grease on the threaded manifold tip. Install mixing tip.

Apply ¼"-1/2" wide adhesive beads to the substrate or insulation board in ribbons spaced a minimum of 12 inches on center (spacing may need to be decreased depending on wind uplift requirements). Allow bead to begin rising and install insulation boards immediately into the wet adhesive. Do not allow adhesive beads to skin over before placing the boards. Walk on boards to fully press them into the wet adhesive. Use temporary ballast to assure board corners bond tightly to substrate and provide a flat insulation surface. Adhesive will lock boards down in approximately 5 to 7 minutes (slightly longer under cool ambient conditions). Replace mixing tip if application is interrupted for more than 1 minute as adhesive will cure in the nozzle and prevent proper flow of material.

## COVERAGE RATE

### **Based on 12" OC bead spacing;**

10 gal. BG - 20 to 25 SQ per kit  
30 gal. Kit - 65 to 75 SQ per kit  
100 gal. Kit - 225 to 250 SQ per kit

## LIMITATIONS

- Do not store in direct sunlight or at temperatures above 95°F (35°C).
- Do not apply when ambient temperature are below 25°F (-4°C).
- Product material temperature **must** be between 70°F - 85°F (22°C - 29°C) for 24 hours prior to use.
- Do not use with insulation boards larger than 4' x 4' (1.2m x 1.2m) (see exceptions in Approved Insulation section).

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## LIMITATIONS CONTINUED

- Do not use insulation boards which have become warped, cupped, or have poor quality due to improper storage/handling. Insulation boards must lay flat upon the roof substrate.
- Do not apply onto wet or damp substrates.
- Do not puddle or mound the adhesive as this will cause the board to rise excessively and lead to gaps between the decking and substrate.

## PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Tensile Strength Min.	250 psi	ASTM D 412
Density	8.5 lbs./gal.	ASTM D 1875
Peel Adhesion	Min. 17 lbf./in.	ASTM D 903
Flexibility	Pass @ 70°F	ASTM D 816
Flame Spread Index	10	ASTM E 84
Smoke Developed Index	30	ASTM E 84

## MAINTENANCE

Your local Tremco Roofing sales representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.

## PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

## TECHNICAL SUPPORT

Your local Tremco Roofing sales representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.



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