

Foamable Adhesive

TECHNICAL PRODUCT INFORMATION



STRONGHOLD™

StrongHold Foamable Adhesive is an all purpose, elastomeric foamable adhesive that is quick and easy to use, sets in minutes, and contains zero solvents, specifically designed to bond approved roof insulations to a building's structural roof deck, base sheets, other insulation boards, or properly prepared gravel surfaced built-up roof systems. With StrongHold Foamable Adhesive, contractors can potentially save significantly in labor costs. In addition, the application process involves no expensive pump carts or spray rigs.

FEATURES & BENEFITS

StrongHold Foamable Adhesive also provides the following features and benefits:

- Compatible with the following substrates: polyisocyanurate, Perlite (with approval only), polystyrene, mineral wool, gypsum cover board or roof decks, asphaltic cover boards, cementitious wood fiber, high density wood fiber, concrete, wood or steel decks, lightweight insulating concrete, approved insulations in multi-layer applications, modified bitumen membranes and base sheets (either sanded or granule surfaced), smooth or gravel surfaced asphalt built-up roof
- Faster installation and less preparation time compared to mechanical fastening methods
- Eliminating or reducing mechanical fasteners on the roof eliminates thermal bridging and maximizes the potential R-value of the roof assembly
- Minimal temperature restrictions, can be used in nearly all climates
- Remains flexible throughout the service life and helps absorb stresses in the roof assembly
- Low rise foam accommodates minor surface irregularities
- Can be installed with a variety of applicators to fit nearly any project

For any insulation or substrate not on the list, please contact BITEC Technical Services.

PACKAGING

StrongHold Foamable Adhesive is available in 1.5 liter cartridges, packaged 4 cartridges per case.

Packaging: 1.5 liters cartridges with 4 cartridges per case

Quantity per pallet: 48 cases

APPLICATION

The surface to be adhered must be clean, dry, and sound, as well as free of dirt, moisture, oils, algae, or other contaminants that may interfere with proper adhesion. Carefully remove any loose material from the surface with a wire brush or scraper. Grease and oil should also be removed with environmentally

safe solvents or an appropriate cleaner. In most cases, a high-pressure water blast will be sufficient to prepare the surface. As with all adhesives, proper preparation is key to yielding optimal results.

For re-cover applications over gravel surfaced built-up roof, smooth or sanded APP, fresh asphalt or coal tar, or plastic film membranes, a primer may be required. Please contact BITEC Technical Services for recommended surface treatments.

Product application should be suspended immediately and our technical service personnel contacted if the results being obtained are less than desirable.

Do not apply StrongHold Foamable Adhesive to wet or improperly prepared surfaces. It is not recommended for use with insulation boards larger than 4' x 4'. Avoid use of warped or curled insulation boards - all insulation boards must lay flat on the roof surface for proper installation.

StrongHold Foamable Adhesive is designed for use as an adhesive for adhering approved roof insulations to the structural roof deck, base sheets, other insulation board stock, and smooth or properly prepared gravel surfaced built-up roofs.

To use StrongHold Foamable Adhesive, begin by snapping the tip off from the mixing head. Keep it for re-use later. Attach a mixing nozzle to the threaded mixing head. Place the StrongHold Foamable Adhesive cartridge into the appropriate applicator. **Caution:** Adhesive should be dispensed **immediately** after loading the cartridge into the dispensing tool to prevent the adhesive from foaming and curing in the mixing tip.

Apply StrongHold Foamable Adhesive directly to the substrate using a ribbon pattern. Space 1/4" (0.6 cm) to 1/2" (1.3 cm) wide beads 12" (30 cm) on center to achieve proper coverage rates for insulation attachment. As adhesive is applied, immediately place the insulation board into the wet adhesive. **Do not** allow the adhesive to skin over. Eliminate uneven surfaces to ensure positive contact between the insulation board and the substrate.

Unused material can be applied at a later date by simply removing the used static mixing tip, wiping the neck of the cartridge clean, and plugging the cartridges with the provided snap-off tips.

Per case (4 cartridges), StrongHold Foamable Adhesive covers approximately 600 ft² (56 m²), though coverage rates

Foamable Adhesive

TECHNICAL PRODUCT INFORMATION



may be lower when used over irregular surfaces and will vary depending on roughness. Published coverage rates are based on an application pattern of 4 ribbons, 1/4" (0.6 cm) to 1/2" (1.3 cm) wide, 12" (30 cm) on center, per 4' x 4' insulation board.

Caution: In warm, humid climates, StrongHold Foamable Adhesive reacts quickly. The contractor must set insulation boards quickly in these conditions to avoid losing adhesive capabilities as the material cures.

Specific application methods may vary, depending on the roof system being installed, as well as the substrate and type of insulation being adhered. Please refer to the BITEC Roofing Products Installer's Guide for detailed application guidelines.

As with any roofing project, good roofing practices should always be followed.

STORAGE & HANDLING

Protect from direct sunlight and temperatures above 90°F (32°C). Keep from freezing. At least 24 hours before use, keep the temperature of the StrongHold Foamable Adhesive between 65°F (18°C) and 85°F (29°C).

Store materials locked up and in a well-ventilated, dry, and temperature conditioned location. Keep containers tightly closed with the valve side up. When stored in the original, unopened containers between 65°F (18°C) and 85°F (29°C), the recommended shelf life is 18 months from the date of manufacture.

PRECAUTIONS

StrongHold Foamable Adhesive can cause skin irritation, allergic skin reactions, serious eye irritation, can be harmful if inhaled, may cause allergy or asthma symptoms or breathing difficulties if inhaled, may cause respiratory irritation, and may cause damage to organs through prolonged or repeated exposure. As with most industrial chemicals, avoid getting this product on or in you.

Safety first! Read all label information, SDS, and precautions before using. For safety information on our products, please visit www.bitec.com.

Foamable Adhesive

TECHNICAL PRODUCT INFORMATION



STRONGHOLD™

Technical Schedule	
Appearance	Off-white / light amber
Coverage Rate - Ribbon Application	Up to 6 squares per case*
Shelf Life	18 months
Ambient Application Temperature	40°F (4°C) and rising
Adhesive Application Temperature	Between 65°F (18°C) and 85°F (29°C)
Storage Temperature	Between 65°F (18°C) and 85°F (29°C)

*Per case (4 cartridges), StrongHold Foamable Adhesive covers approximately 600 ft² (56 m²), though coverage rates may be lower when used over irregular surfaces and will vary depending on roughness. Published coverage rates are based on an application pattern of 4 ribbons, 1/4" (0.6 cm) to 1/2" (1.3 cm) wide, 12" (30 cm) on center, per 4' x 4' insulation board.

All information is given in good faith but normal tolerances of manufacture and testing will apply. BITEC reserves the right to improve and change its products at any time without prior notice or advice. The use of BITEC products is determined by local conditions and individual requirements of each contract. In consideration of the many factors involved, BITEC cannot be held responsible for the improper application of its products and for conditions beyond its control. All claims filed against BITEC warranties will be subject to the provisions set forth at the date of the warranty issuance, and any addendum thereto. Under no circumstances will BITEC be held liable for any damage, whether personal injury or property damage, which occur during or after the application of any BITEC products.

BITEC, Inc.
PO Box 497
#2 Industrial Park Dr
Morrilton, AR 72110
Phone: (800) 535-8597
Fax: (501) 354-3019
www.bitec.com



Copyright BITEC, Inc.
Revision Date 10/2025

BITEC®

WHEN QUALITY MATTERS™