

Single Sided Bonding Adhesive

TECHNICAL PRODUCT INFORMATION



STRONGHOLD™

StrongHold Single Sided Bonding Adhesive is a water based, single component, proprietary blend, hydrocarbon resin emulsion, modified with synthetic and butyl rubber. It is designed for bonding EPDM to insulation boards and other roofing substrates.

FEATURES & BENEFITS

StrongHold Single Sided Bonding Adhesive also provides the following features and benefits:

- Provides excellent adhesion to a wide range of single ply membranes
- Environmentally conscious water based formulation
- Non-flammable
- Can be used with both porous and non-porous substrates

PACKAGING

Packaging: 5-gallon pails

Quantity per pallet: 36

Pallets per truckload (typical): 18

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.

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

When bonding single ply membranes to porous or semi-porous substrates, such as plywood, wafer board, OSB, unfaced ISO board, concrete, or brick, StrongHold Single Sided Bonding Adhesive should be roller or spray applied to one substrate at a coverage rate of 100 ft² per gallon. While the adhesive is still wet, as indicated by its milky white appearance, bond the materials together and thoroughly broom the bonded area to ensure total contact and adhesion.

When bonding single ply membranes to metal, insulation boards with a foil facer, or other non-porous substrates, StrongHold Single Sided Bonding Adhesive should be roller or spray applied to the single ply membrane and to the other substrate at a combined coverage rate of 80 ft² per gallon. The bonding adhesive should be allowed to dry for at least

30 minutes or until its appearance changes from milky white to nearly transparent. After the adhesive has dried, bond the tacky substrates and broom the bonded area thoroughly to ensure total contact.

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

StrongHold Single Sided Bonding Adhesive should never be stored below 40°F (4.4°C). Once frozen, the material will not return to its original state and must be disposed of.

Store materials locked up and in a well-ventilated, dry, and temperature conditioned location. Keep containers tightly closed to avoid contamination. When stored in the original, unopened container between 60°F (15.6°C) and 80°F (26.7°C), the recommended shelf life is 9 months from the date of manufacture.

PRECAUTIONS

Never permit StrongHold Single Sided Bonding Adhesive to be stored in temperatures below 40°F (4.4°C).

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

Single Sided Bonding Adhesive

TECHNICAL PRODUCT INFORMATION



STRONGHOLD™

Technical Schedule	
Appearance	Milky white
Shelf Life (unopened)	9 months
VOC	8 g/L
Solids (by volume)	69%
Weight	8.31 lbs/gal
Viscosity	11,500-15,000 cps
Specific Gravity Brookfield RVT no. 5 @ 20 RPM	1.02
Flash Point	Non-flammable
Coverage (typical)	110-130 ft ² / gal
pH	4.0-6.0

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.

Copyright BITEC, Inc.
Revision Date 01/2026



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

BITEC®

WHEN QUALITY MATTERS™