

# TPO Edge Sealant

## TECHNICAL PRODUCT INFORMATION



**STRONGHOLD™**

StrongHold TPO Edge Sealant is a high-solids, low-VOC, elastomer based white edge sealant, delivering superior chemical adhesion specifically for TPO membrane systems. It provides a robust, weather-tight barrier for exposed edges of TPO membranes, including membrane splices and laps. StrongHold TPO Edge Sealant has excellent adhesion to TPO membranes, as well as various other substrates.

### FEATURES & BENEFITS

StrongHold TPO Edge Sealant also provides the following features and benefits:

- Environmentally safe with low VOC's
- Excellent adhesion to TPO and also EPDM, metals, wood, concrete, and a wide variety of other substrates
- Helps extend the life of TPO roofing systems
- Suitable for use in VOC regulated markets such as California and the OTC states

### PACKAGING

Package: 10.3 oz tubes

Tubes per carton: 12

Quantity per Pallet: 100

Color: White

### APPLICATION

StrongHold TPO Edge Sealant is designed to seal the exposed edges of TPO membrane in StrongHold roof systems, including membrane splices and laps.

The surface to be sealed 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. With all coatings and adhesives, proper preparation is key to yielding optimal results. BITEC always recommends adhesion testing prior to starting, especially with previously coated substrates.

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

Prior to using StrongHold TPO Edge Sealant, ensure that all seams and/or flashings are properly installed according to StrongHold guidelines. StrongHold TPO Edge Sealant is not designed to repair structurally unsound seams.

Cut the nozzle on the tube for desired bead size. Place the patented feathering tip over the cut nozzle prior to installing

the cartridge into the caulking gun. Gun a 1/4" sized bead of the StrongHold TPO Edge Sealant along the exposed edge of the membrane seam splice or flashing. For best results, prime the exposed edge receiving sealant with StrongHold Single Ply Primer or StrongHold LVOC Single Ply Primer.

If the feathering tip is used, no tooling of the installed sealant is necessary. If not used, tool the sealant bead so the high point is above the offset of the splice and the edges are feathered onto the deck. Under most conditions, it is best to wait at least 2 hours after membrane and flashing seams are installed before installing the StrongHold TPO Edge Sealant.

StrongHold TPO Edge Sealant will remain tacky for up to 1 hour and will require 3-4 days to fully cure.

The coverage rate will be approximately 20-22 lineal feet per tube with a 1/4" bead.

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

Store StrongHold TPO Edge Sealant locked up and in a dry, and temperature conditioned location. When stored in the original, unopened container between 40°F (4°C) and 110°F (43°C), the recommended shelf life is 24 months from the date of manufacture.

### PRECAUTIONS

Not to be used as a splicing cement between TPO or EPDM membranes. Clean and dry surfaces are necessary for proper installation - talc, dust, oil, ice, snow, or wet conditions inhibit good adhesion.

Safety first! Read all label information, SDS, and precautions before using. For safety information on our products, please visit [www.bitec.com](http://www.bitec.com).

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Technical Schedule		
Base Polymer	TPO	
Color	White	
Weight	11.6 lbs / gal	ASTM D 1475
Tack-Free Time	Within 1 hour	ASTM D 2377
Cure Rate	Approx. 72 hours	ASTM D 2377
VOC	<250 g/L	ASTM D 2369
Solids	84%	ASTM C 681
Flash Point	50°F (10°C)	ASTM D 56
Service Temperature	-40° (-40°C) - 200°F (93°C)	ASTM D 3359
Application Temperature	20° (-6°C) - 120°F (49°C)	ASTM C 603
Shelf Life (unopened)	24 months	

*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 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.*

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

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