

# LVOC Single Ply Primer

## TECHNICAL PRODUCT INFORMATION



**STRONGHOLD™**

**StrongHold LVOC Single Ply Primer is a rubber polymer based primer formulated with VOC exempt solvents and designed for use in preparing the surface of single ply TPO and EPDM roofing membranes for improved adhesion to seam tapes, cover tapes, and flashing tapes. LVOC Single Ply Primer is approved for use in all markets.**

### FEATURES & BENEFITS

StrongHold LVOC Single Ply Primer also provides the following features and benefits:

- Provides excellent adhesion to a variety of substrates, namely TPO, EPDM, metals, wood, and concrete
- Does not react with atmospheric moisture so it can be resealed and used at a later date
- Approved for use in all VOC regulated markets

### PACKAGING

Packaging: 1-gallon cans, 6 cans / case

Quantity per pallet: 30

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.***

StrongHold LVOC Single Ply Primer must be thoroughly shaken or stirred prior to use and approximately every 15-20 minutes during use. An “apple sauce” type texture after agitation is normal and will not affect the product’s performance. Aged waterproofing membrane should be pressure washed and dried completely before applying LVOC Single Ply Primer.

When the surfaces are dry, apply LVOC Single Ply Primer with a fully saturated brush or scouring pad. The surface should appear wet during application. Apply the primer to a wider area than the bonding area to ensure complete coverage. If using a scouring pad, make sure that it is free of excessive dust from EPDM membranes. Replace pads often and do not overwork the primer.

Allow the StrongHold LVOC Single Ply Primer to dry completely, typically within 30-40 minutes, before applying self-adhesive materials. When dry, the primer will visually appear dull or flat and will feel dry to the touch. Drying conditions will vary with ambient conditions. NOTE: Use caution when installing at temperatures below 40°F (5°C) to prevent blushing of the primer. Drying time may significantly increase with lower temperatures.

When not in use, keep the lid on the StrongHold LVOC Single Ply Primer to prevent solvent evaporation. When finished, secure the lid and store primer as recommended for use at a later date.

Once the detail is finished, StrongHold LVOC Single Ply Primer will take up to 48 hours to wet out the tape surface and build full strength. Any peel tests should be conducted at least 24-48 hours after installation.

The coverage rate should be approximately 200-225 ft<sup>2</sup> per gallon. This can vary considerably with the condition of the substrate.

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

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 40°F (4°C) and 90°F (32°C), the recommended shelf life is 18 months from the date of manufacture.

### PRECAUTIONS

Do not dilute or extend StrongHold LVOC Single Ply Primer with any liquids or other materials. Do not use as a membrane cleaner. Not for use on PVC roof membranes. Do not use on extruded or expanded polystyrene insulation. 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	
Appearance	Translucent
Coverage Rate	200-225 ft <sup>2</sup> /gal
Shelf Life (unopened)	18 months
VOC	<250 g/L
Solids	10%
Weight	9.86 lbs/gal
Dead Load Shear Test (300 gm load, 70°C)	0.125" max movement
Brookfield Viscosity	600 cps
Storage Temperature	Between 40°F (4°C) and 90°F (32°C)
Application Temperature Range	0°F (-18°C) and rising, up to 110°F (43°C)
Clean-Up	Mineral spirits or VM&P naphtha

*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.*

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Revision Date 01/2026



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