

Viking Poly-Shield is a continuous filament, point bonded, chemically treated, polyester mat which is specifically formulated to accept hot bitumen as a bonding adhesive. When Viking Poly-Shield is used in conjunction with Viking CTP, it creates a roof system which provides superior tensile strength and the elongation properties required to withstand thermal shock. Viking Poly-Shield is also used in a three or four ply configuration. This multi-ply high performance system offers exceptional tensile strength and elongation.

FEATURES & BENEFITS

Viking Poly-Shield also provides the following features and benefits:

- Security in multi-ply construction - the Viking Poly-Shield system combines the inherent advantages of multi-ply systems with the strength, flexibility, and elongation of elastomeric systems
- Use of polyester and fiberglass reinforcement provides excellent puncture and abrasion resistance
- Designed to handle the struggles of modern, more demanding roofing needs
- Inorganic, rot-proof protection means Viking Poly-Shield will not wick or absorb moisture once properly coated with bitumen
- Drastic decrease in the risk of felt ply delamination to produce a stronger, more secure roof assembly

PACKAGING

Roll package: Paper wrap

Rolls per pallet: 12

Pallets per truckload (typical): 18-20

APPLICATION

Viking Poly-Shield can be installed with hot asphalt or coal tar pitch adhesives in a multi-ply roof assembly utilizing 3-4 plies. NOTE: Do not use Viking Poly-Shield with traditional cold applied adhesives. Please refer to the BITEC Roofing Products Installer's Guide for detailed application guidelines.

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

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

STORAGE & HANDLING

Store the Viking Poly-Shield rolls in their original containers with labels unbroken in a clean, dry, protected location and within the temperature range required to provide for proper application. Keep rolls stored upright on their original pallet. Never lay rolls down or stack materials on top of the rolls. Avoid dropped rolls on the edges to avoid potential deformation that can affect their ability to roll out evenly. Handle and place roofing materials and equipment in a manner to avoid permanent deflection of the deck.

BITEC highly recommends that installers using roofing asphalt take proper classes in safely handling and installing hot materials. Contents and/or containers should be disposed of in accordance with local, regional, and national regulations.

PRECAUTIONS

During applications using molten asphalt, it is essential that all safety procedures be followed. In all cases, follow NRCA and all applicable safety guidelines, keep a properly maintained fire extinguisher within reach, and designate an employee to perform a fire watch for a minimum of 2 hours after application has ended.

Additional consideration should always be given to working with molten asphalt, which can cause severe burns. For personal and property protection, make sure the area being covered has been sealed properly to prevent seepage or spillage.

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

Technical Schedule 3rd Party Independent: (NEMO ETC SGS SA Element Materials Technology)	
Roll Size	324' x 3.25' (98.75 m x 1.01 m)
Weight	40 lbs (18.1 kg)
Nominal Thickness	30 mils (762 microns)
Net Coverage	1,000 ft ² (92.9 m ²)
Weight (ASTM D 4830)	5.9 oz/yd ²
Tear Strength (ASTM D 5733)	MD=82.6 lbf/in, XMD=75.8 lbs/in
Tensile Strength (Strip) (ASTM D 5035)	MD=101 lbf/in, XMD=88 lbf/in
Elongation (Strip) (ASTM D 5035)	MD=59.5%, XMD=67%

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