

VersiPly® Membranes

VersiPly 80* • VersiPly Mineral



OVERVIEW & FEATURES

VersiPly membranes are a high strength, puncture and fatigue resistant Styrene-Butadiene-Styrene (SBS) rubber modified roof membranes. VersiPly is designed for use as the waterproofing and reinforcement layer of a modified built-up roofing system. The sheets consist of two laminated layers of fiberglass reinforcement sandwiched by SBS in a high penetration index asphalt mixture.

VersiPly membranes can be used as the top component in a roofing system where fire retardancy is required. They can also be used in conjunction with Garland's HPR® products as well as with conventional glass base sheets or fiberglass roofing felts. In addition, VersiPly membranes can be used as a two-ply flashing system. VersiPly can also be used to repair splits, cracks, and other deteriorated areas in existing asphalt-based roof systems. Specifications are available for either hot or cold applied systems.

* Garland Greenhouse product

Multi-Ply Security - VersiPly membranes are the top component of a multi-ply roof system and combine the inherent advantages and proven performance of multi-ply protection with the strength, flexibility and elongation of elastomeric systems.

Superior Strength - The VersiPly membranes are reinforced with two layers of fiberglass. The superior strength provided by the fiberglass scrim resists the movement created by today's modern buildings. In addition, the fiberglass scrim in VersiPly membranes provide tensile strength in excess of 200 pounds per inch in the machine and cross machine direction. This translates to long-term resistance to splits and tears in the completed VersiPly membrane roof system.

Advanced Rubber Technology - The modifier utilized in VersiPly membranes are SBS (Styrene-Butadiene-Styrene). When the SBS rubber is properly dispersed throughout the high penetration asphalt, the rubber provides increased thermal shock resistance, UV protection, heat resistance, elongation, and low temperature flexibility. To ensure proper dispersion, a special high shear mixer is used in manufacturing.

Factory formulation Reduces Labor Expense - VersiPly membranes are coated at the factory with reflective mineral granules. Consequently, there's no need to flood coat and gravel or aluminize the membrane's surface. Roof projects can be completed on a more timely basis. The end result is substantial labor expense savings.

APPLICATION

VersiPly membranes can be used with ASTM D 312, Type III or IV asphalt, Garland's HPR All-Temp Asphalt or modified asphalt. One or two plies of ASTM D 2178, Type IV or VI fiberglass felt are solidly bonded to the approved substrate. The VersiPly membrane is then solidly adhered to these base layers with mopping asphalt.

VersiPly membranes can also be applied in Garland's cold applied Weatherking® or Green-Lock® membrane adhesive.

Complete specifications are available for multiply modified bitumen applications in hot asphalt, Weatherking and Green-Lock Membrane Adhesive.

VersiPly® Membranes

Technical Data	VersiPly 80	VersiPly Mineral
Tensile Strength	*MD 220 lbf./in. (38.5 kN/m) *XD 220 lbf./in. (38.5 kN/m) **MD 240 lbf./in. (42 kN/m) **XD 240 lbf./in. (42 kN/m)	*MD 220 lbf./in. (38.5 kN/m) *XD 220 lbf./in. (38.5 kN/m) **MD 240 lbf./in. (42 kN/m) **XD 240 lbf./in. (42 kN/m)
*Tear Strength	MD 300 lbf. (1335 N) XD 300 lbf. (1335 N)	MD 300 lbf. (1335 N) XD 300 lbf. (1335 N)
*Elongation	MD 4.5% XD 4.5%	MD 4.5% XD 4.5%
*Low Temperature Flex	-30°F (-34°C)	-30°F (-34°C)

VersiPly 80 and VersiPly Mineral finished membranes meet ASTM D 6163, Type III.

Test Method ASTM D 5147 is tested at:

* 2 in./min @ 73.4 ± 3.6°F ** 0.08 in/min @ 0 ± 3.6°F
(50 mm/min @ 23 ± 2°C) (2.0 mm/min @ -18 ± -3°C)

Roll Dimensions	VersiPly 80	VersiPly Mineral
Width	3 ft. 3 in. (1m)	3 ft. 3 in. (1m)
Length	34 ft. 8 in. (10.57 m)	26 ft. 2 in. (7.98 m)
Weight	80 lbs. (36.29 kg)	80 lbs. (36.29 kg)
Nominal Thickness	80 mils (2,032 microns)	145 mils (3,683 microns)
Net Coverage	100 sq. ft. (9.29 m ²)	75 sq. ft. (6.96 m ²)
Packaging	25 rolls/pallet	25 rolls/pallet

Eco-Facts	VersiPly 80	VersiPly Mineral
Recycled Content		
Pre-Consumer	27%	–
Post-Consumer	8%	6%

For specific application recommendations, please contact your local Garland Representative or Garland Technical Service Department.

Installation of this product with hot oxidized asphalt may result in exposure to hazardous chemicals. Special care and attention for proper product installation must be followed in all cases. For specific details refer to the NIOSH safe handling practices in publication No. 2003-107, as well as OSHA standard 1910.134 for further exposure precautions.



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Tests verified by independent laboratories. Actual roof performance specifications will vary depending on test speed and temperature. Data reflects samples randomly collected. ± 10% variation may be experienced. The above data supersedes all previously published information. Consult your local Garland Representative or the home office for more information.

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