

StressBase® 80 Plus



OVERVIEW & FEATURES

StressBase 80 Plus is a high-strength, puncture and fatigue resistant, modified roofing membranes that consists of fiberglass reinforcement sandwiched by Styrene-Butadiene-Styrene (SBS) rubber in a high penetration index asphalt mixture.

StressBase 80 Plus sheets can be used as a nailable base sheet over approved substrates, as a base flashing for hot- and cold-applied roof systems or as an interply in Garland's hot or cold applied systems. StressBase 80 Plus is typically used in two (2) or three (3) ply modified systems and also can be used in three (3) or four (4) ply BUR's.

Advanced Rubber Technology - The modifier utilized is 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.

Security in Multi-Ply Construction - StressBase 80 Plus sheets are the base component of a multi-ply roof system. They combine the inherent advantages and proven performance of multi-ply protection with the strength, flexibility and elongation of elastomeric systems. This unique combination minimizes dependence on perfect workmanship, contact adhesive seaming, etc.

APPLICATION

Garland's StressBase 80 Plus sheets can be used in conjunction with Weatherking® and Green-Lock® to make up a cold-applied system. StressBase® 80 Plus sheets can also be used with hot asphalt or Garlastic® as a multi-ply BUR, as the underlayment for Garland's HPR® roof systems or as a base flashing ply for hot-and-cold applied roof systems. Specifications for nailing to various decks are also available.

NOTE: All rolls must be cut in 18 ft. (5.5 m) lengths and allowed to relax prior to application.

StressBase® 80 Plus

Technical Data	StressBase 80 Plus
Tensile Strength	MD 140 lbf./in. (24.5 kN/m) XD 100 lbf./in. (17.5 kN/m)
Tear Strength	MD 130 lbf. (578 N) XD 100 lbf. (444 N)
Elongation	MD 4% XD 4%
Low Temperature Flex	passes -40°F (-40°C)

Finished membrane meets and/or exceeds the performance criteria of ASTM D 6163, TYPE I.
Test Method ASTM D 5147 is tested at:
0.08 in/min @ 0 ± 3.6°F
(2.0 mm/min @ -18 ± -3°C)

Roll Dimensions	StressBase 80 Plus
Width	3 ft. 3 in. (1m)
Length	52 ft. (15.85 m)
Weight	100 lbs. (45.36 kg)
Nominal Thickness	80 mils (2,032 microns)
Net Coverage	150 sq. ft. (13.93 m ²)
Packaging	24 rolls/pallet

Eco-Facts	StressBase 80 Plus
Recycled Content	
Pre-Consumer	27%
Post-Consumer	–

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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