

OVERVIEW & FEATURES

Garland's HPR Tri-Base Premium is a Styrene-Butadiene-Styrene (SBS) polymer modified base sheet reinforced with a high strength polyester/fiberglass/polyester scrim. Garland's HPR Tri-Base Premium offers the best of both worlds: superior tensile strength to withstand building movement and elongation properties that allow for the constant thermal cycling that exists in every building.

HPR Tri-Base Premium 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 cold applied Weatherking systems. The Garland Weatherking system consists of three (3) or four (4) plies of HPR Tri-Base Premium with Weatherking as the interply adhesive or two (2) plies of HPR Tri-Base Premium as an underlayment for approved Garland HPR modified membranes.

Multi-Functional - Garland's HPR Tri-Base Premium can be used in conjunction with Weatherking for a cold applied Weatherking system. HPR Tri-Base Premium can also be used as the underlayment for Garland's high performance roofing systems or as a base flashing ply for hot and cold applied roof systems.

Advanced Rubber Technology - The modifier utilized in HPR Tri-Base Premium 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.

Designed for Today's More Demanding Roof Needs - Today, roofs are larger and flatter. The incidence of thermal shock damage has increased because of the popularity of light weight metal decks and increased insulation thickness. As modern engineering practices have imposed greater demands upon roof systems performance, the quality of conventional roofing reinforcements have deteriorated. HPR Tri-Base Premium puts an end to the "quality slide." It has the strength and flexibility to measure up to today's more demanding requirements.

Superior Performance Characteristics - HPR Tri-Base Premium is triple reinforced for superior tear strength and toughness. Because it is inorganic, it will not absorb water and is stronger than conventional organic or glass base sheets. Garland's HPR Tri-Base Premium has the versatility to meet today's roofing needs.

HPR® Tri-Base Premium

Technical Data	HPR Tri-Base Sheet
*Tensile Strength	MD 315 lbf./in. (55.2 kN/m) XD 315 lbf./in. (55.2 kN/m)
*Tear Strength	MD 550 lbf. (2446 N) XD 550 lbf. (2446 N)
*Elongation	MD 7.0% XD 9.0%
Pliability (ASTM D 146)	Pass
Mass of Desaturated Polyester/Glass Mat (ASTM D 146)	4.0 lb./100 sq. ft. (1814.37 g/2.83m ²)
Surfacing and Stabilizer (ASTM D 4601)	Max 50%
Asphalt (ASTM D 226)	15 lb./100 sq. ft. (6803.84 g/2.83m ²)

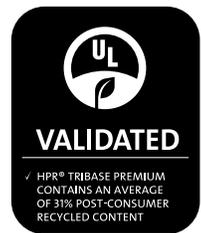
Finished membrane meets and/or exceeds ASTM D 6162, TYPE III
Test Method ASTM D 5147 is tested at:
* 2 in./min. @ 73.4 ± 3.6°F
(50 mm/min. @ 23 ± 2°C)

Roll Dimensions	HPR Tri-Base Sheet
Width	3 ft. 3 in. (1m)
Length	68 ft. 7 in. (20.94 m)
Weight	75 lbs. (34.02 kg)
Nominal Thickness	60 mils (1,524 microns)
Net Coverage	200 sq. ft. (18.58 m ²)
Packaging	25 rolls/pallet

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.

Eco-Facts	HPR Tri-Base Sheet
Recycled Content	
Pre-Consumer	–
Post-Consumer	31%



For more information, visit us at: www.garlandco.com

The Garland Company, Inc.
3800 East 91st Street
Cleveland, OH 44105
FAX: 216-641-0633
Phone: 216-641-7500
Toll Free: 800-321-9336

Garland Canada Inc.
209 Carrier Drive
Toronto, Ontario
Canada, M9W 5Y8
FAX: 416-747-1980
Phone: 416-747-7995
Toll Free: 800-387-5991
(Only in Canada)

The Garland Company UK LTD
Second Way Centre, Second Way
Avonmouth, Bristol UK BS11 8DF
Phone: 011 44 1174 401050 (Outside UK)
Toll Free: 0800 328 5560 (Only in UK)

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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