

OVERVIEW & FEATURES

HPR Polyscrim Plus is a continuous filament, point bonded, chemically treated, polyester mat that is specifically formulated to accept hot bitumen as a bonding adhesive. When HPR Polyscrim Plus is used with two plies of HPR Glasfelt, it creates a roof system that provides superior tensile strength and the elongation properties required to withstand thermal shock.

HPR Polyscrim Plus can be used in a three or four-ply configuration. This multi-ply high-performance system offers exceptional tensile strength and elongation.

Security in Multi-Ply Construction - The HPR Polyscrim Plus system combines the inherent advantages and proven performance characteristics of multi-ply systems with the strength, flexibility and elongation of elastomeric systems. This unique combination minimizes dependence on perfect workmanship, contact adhesive seaming, etc.

Excellent Puncture and Abrasion Resistance - The HPR Polyscrim Plus System incorporates the use of polyester and fiberglass mat reinforcement. The polyester mat provides excellent puncture resistance and elongation capability. The fiberglass underlayers impart additional tensile strength and fire resistance. This unique combination produces a thick multi-ply system that is capable of withstanding punctures and abrasion far better than conventional built-up roofs or single-ply membranes.

Designed for Today's More Demanding Roofing Needs - Today, roofs are larger and flatter. The incidence of thermal shock damage has increased because of the popularity of lightweight metal decks, sophisticated heating and air conditioning systems and increased insulation. As modern engineering practices have imposed greater demands upon roof system performance, the quality of conventional roofing paper has deteriorated. HPR Polyscrim Plus puts an end to the "quality slide." It has the strength and flexibility to measure up to today's more demanding requirements.

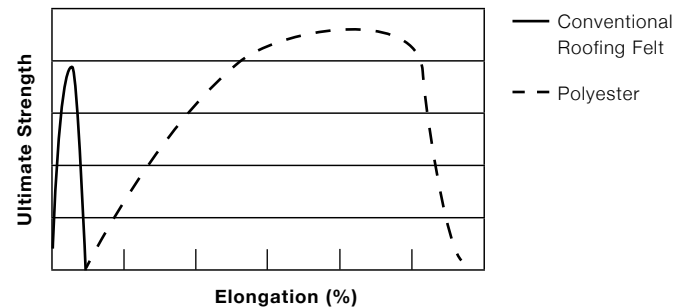
Inorganic, Rot-Proof Protection - HPR Polyscrim Plus is an inorganic, rot-proof roofing felt. It will not wick or absorb moisture when properly coated with bitumen. As a result, the risk of felt ply delamination is minimized and a stronger, more secure roof assembly is produced.

APPLICATION

HPR Polyscrim Plus is the top ply of a multi-ply roof assembly that utilizes two layers of HPR Glasfelt underlayment. HPR Polyscrim Plus is also installed in a three or four ply HPR Polyscrim Plus system. The roof system is installed with Garland's modified hot asphalt or coal tar pitch adhesives, hot asphalt or coal pitch as outlined in Garland's specifications.

NOTE: Do not use HPR Polyscrim Plus system with cold-applied adhesives.

STRESS-STRAIN CURVE



Polyester flexural fatigue resistance is 1,000 times greater than that of conventional roofing felt.

HPR® Polyscrim Plus

Technical Data	HPR Polyscrim Plus
Tensile Strength ASTM D 5035	MD 101 lbf./in. (17.7 kN/m) XD 88 lbf./in. (15.4 kN/m)
Tear Strength ASTM D 5733	MD 82.6 lbf./in. (14.5 kN/m) XD 75.8 lbf./in. (13.3 kN/m)
Elongation ASTM D 5035	MD 59.5% XD 67%
Weight per Area ASTM D 4830	5.9 oz./yd ² (200 g/m ²)

Roll Dimensions	HPR Polyscrim Plus
Width	3 ft. 4 in. (1.01 m)
Length	324 ft. (98.75 m)
Weight	40 lb. (18.1 kg)
Nominal Thickness	30 mils (762 microns)
Net Coverage	1,000 sq. ft. (92.9 m ²)
Packaging	12 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.



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.

HPR is a trademark of The Garland Company, Inc., Garland Canada Inc. and The Garland Company UK, LTD.

© 2017 Garland Industries, Inc.

HPR PSP 0917