

# HPR® Glasfelts

HPR Glasfelt • HPR Premium Glasfelt



## OVERVIEW & FEATURES

HPR Glasfelts are heavy duty, asphalt saturated fiberglass mats used as ply sheets in the construction of high-performance built-up roofs. They are also used in the construction and maintenance of built-up roofing and in membrane waterproofing systems. The mat is made of fiberglass monofilaments bonded together with a water resistant melamine binder and reinforced with fiberglass strands. It is coated with high quality, roofing-grade asphalt and dusted with fine sand to prevent sticking. The asphalt-impregnated glass mat shall neither crack nor be so sticky as to cause tearing upon being unrolled at ambient temperatures above 50°F (10°C). HPR Glasfelt meets and exceeds ASTM D 2178, Type IV and HPR Premium Glasfelt meets and exceeds ASTM D 2178, Type VI.

**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 Glasfelts put an end to the "quality slide." They have the strength and flexibility to measure up to today's more demanding requirements.

**A Better Roofing Felt** - HPR Glasfelts, by nature of the manufacturing process, are uniformly porous. Interply asphalt moppings readily penetrate adjacent felt layers to ensure continuous ply adhesion. In addition, the felt's natural porosity minimizes the negative effects of trapped moisture and blistering.

**Inorganic, Rot-Proof Protection** - HPR Glasfelts are inorganic, rotproof roofing felts. They will not wick or absorb moisture. As a result, the risk of felt ply delamination is minimized and a stronger, more secure roof assembly is produced.

## APPLICATION

HPR Glasfelts can be used in conjunction with Garland's HPR All-Temp Asphalt, conventional asphalt, or modified asphalt to create a built-up roof. In addition, two or more layers of HPR Glasfelts serve as the underlayment for any Garland HPR Modified Bitumen Roof System.

Technical Data	HPR Glasfelt	HPR Premium Glasfelt
<b>Tensile Strength</b> ASTM D 2178	MD 44 lbf./in. (7.7 kN/m) XD 44 lbf./in. (7.7 kN/m)	MD 60 lbf./in. (10.5 kN/m) XD 60 lbf./in. (10.5 kN/m)

HPR Glasfelts meets and exceeds ASTM D 2178, Type IV

HPR Premium Glasfelts meets and exceeds ASTM D 2178, Type VI

HPR Glasfelts meet Federal Specification SS-R-620 B, Types I & III, U.S. Air Force Manual 88-15 and Corps of Engineers CEGS-07510.

Roll Dimensions	HPR Glasfelt	HPR Premium Glasfelt
<b>Width</b>	3 ft. (0.91m)	3 ft. (0.91 m)
<b>Length</b>	180 ft. (54.8 m)	180 ft. (54.8 m)
<b>Weight</b>	50 lbs. (22.67 kg)	60 lbs. (27.21 kg)
<b>Nominal Thickness</b>	20 mils (508 microns)	25 mils (635 microns)
<b>Net Coverage</b>	500 sq. ft. (46.45 m <sup>2</sup> )	500 sq. ft. (46.45 m <sup>2</sup> )
<b>Packaging</b>	20 rolls/pallet	20 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.



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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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