

# HPR® Glasbase Sheets

HPR Glasbase • HPR Premium Glasbase



## OVERVIEW & FEATURES

HPR Glasbase Sheets are an asphalt coated fiberglass base sheet frequently used as the initial underlayment in a Garland HPR built-up roof system. In addition, HPR Glasbase Sheets can also be used as the nailable base sheet on various roof decks or as the ply sheets in the cold applied Weatherking system.

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

**Inorganic, Rot-Proof Protection** - HPR Glasbase Sheets are inorganic, rot-proof roofing sheets. They will not wick or absorb moisture as conventional base sheets do. As a result, the risk of ply delamination is minimized and a stronger, more secure roof assembly is produced.

**Superior Performance Characteristics** - HPR Glasbase Sheets meet and exceed the toughest tensile strength tests, those required by ASTM D 4601, Type II. HPR Premium Glasbase Sheets exceed the requirements of ASTM D 4601 by more than 50%. HPR Glasbase Sheets impart the strength and flexibility your roof requires to stand up to, and overcome the elements.

## APPLICATION

HPR Glasbase Sheets can be used as the initial underlayment for any Garland HPR Roof System. Specifications for nailing to various decks are available. In addition, HPR Glasbase Sheets are used as the underlayment in Garland's cold applied Weatherking system.

NOTE: When using HPR Glasbase Sheets with the cold applied Weatherking System, all rolls must be cut in 18 ft. (5.48 m) lengths and allowed to relax prior to application.

Technical Data	HPR Glasbase	HPR Premium Glasbase
<b>Tensile Strength</b> ASTM D 146	MD 44 lbf./in. (7.7 kN/m) XD 44 lbf./in. (7.7 kN/m)	MD 100 lbf./in. (17.5 kN/m) XD 80 lbf./in. (14.0 kN/m)
<b>Mass of Uncoated Glass Material</b>	1.7 lb./100 sq. ft. (83 g/m <sup>2</sup> )	2.4 lb./100 sq. ft. (117 g/m <sup>2</sup> )
<b>Pliability</b> @ 77°F (25°C)	no cracks	no cracks

Finished membrane meets and/or exceeds ASTM D 4601, TYPE II.

Test Method ASTM D 4601 is tested at:

2 in/min @ 73.4 ± 3.6°F

(50 mm/min @ 23 ± 2°C)

Roll Dimensions	HPR Glasbase	HPR Premium Glasbase
<b>Width</b>	3 ft. (0.91m)	3 ft. (0.91 m)
<b>Length</b>	108 ft. (32.91 m)	72 ft. (21.94 m)
<b>Weight</b>	75 lbs. (34 kg)	75 lbs. (34 kg)
<b>Nominal Thickness</b>	55 mils (1,397 microns)	55 mils (1,397 microns)
<b>Net Coverage</b>	300 sq. ft. (27.87 m <sup>2</sup> )	200 sq. ft. (18.58 m <sup>2</sup> )
<b>Packaging</b>	20 rolls/pallet	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.



For more information, visit us at: [www.garlandco.com](http://www.garlandco.com)

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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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