

# HPR® All-Temp Asphalt



## OVERVIEW & FEATURES

HPR All-Temp Asphalt is a high-grade waterproofing and roofing laminate asphalt with a double advantage: an unusually high softening point and a correspondingly high penetration index. The high melting point gives HPR All-Temp firmness in summer heat, and the high penetration index gives it greater flexibility in cold winter temperatures.

These characteristics make HPR All-Temp ideal for climates with large temperature differentials like those in the northern half of North America. HPR All-Temp can be used as the bonding/waterproofing bitumen for all Garland HPR Systems, including all StressPly®, StressPly Plus, StressPly E, VersiPly, HPR Tri-Base Premium and Glasfelt. The HPR All-Temp also can be used for flashings as specified by Garland.

- **High quality** – Unlike the physical properties of conventional asphalts that vary greatly from batch to batch, HPR All-Temp is made to extremely tight specifications so there is little variance from batch to batch. This leads to great margin of error for applicators and improved long-term performance.
- **High softening point** – The high melting point gives HPR All-Temp firmness in summer heat.
- **High penetration index** – The high penetration index gives it greater flexibility in cold winter temperatures.

## APPLICATION

- Extreme caution should be used when heating and handling any hot asphalt, including HPR All-Temp. Only experienced personnel should handle hot asphalt.
- Diluting or cutting back the asphalt, or mixing asphalts, are not to be allowed. Over heating asphalts (even for short periods) can cause undesirable molecular changes in the asphalt, and is to be avoided.
- Recommended kettle temperature 475°F (246°C). Caution: Never exceed 500°F (260°C).
- Recommended application temperature 375°F/450°F (191°C/232°C).
- Insulated buckets and hoses are required for cold-temperature applications.
- Application in temperatures below 20°F (6.7°C) is not recommended.
- A solar-reflective surface such as roofing aggregate, mineral surfaced felts or aluminum coating is recommended.
- HPR All-Temp should be applied in strict accordance with the specifications published by The Garland Company

# HPR® All-Temp Asphalt

Technical Data	HPR All-Temp Asphalt
<b>Ring &amp; Ball Softening Point</b> (ASTM D 36)	225°F to 235°F (107°C to 113°C)
<b>Penetration @ 77°F (25°C)</b> (ASTM D 5)	16-20 mm/10
<b>Penetration @ 32°F (0°C)</b> (ASTM D 5)	5 mm/10
<b>Penetration @ 115°F (46°C)</b> (ASTM D 5)	50 mm/10
<b>Flash Point</b> (ASTM D 92)	525°F (273°C) min
<b>Ductility @ 77°F (25°C)</b> (ASTM D 113)	1.5 - 2.0 cm
<b>Coverage</b> Interply	25 lbs. per 100 sq. ft. ± 25% (1.3 kg/m <sup>2</sup> ± 25%)
Flood Coat with Gravel	60 lbs./100 sq. ft. ± 25% (3.1 kg/m <sup>2</sup> ± 25%)
<b>Packaging</b>	100 lbs. (45.4 kg) keg

For specific recommendations and coverage rates, please contact your local Garland Representative or Garland Technical Service Department.



For more information, visit us at: [www.garlandco.com](http://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. A ± 10% variation may be experienced. The above data supersedes all previously published information. Consult your local Garland Representative or Garland Corporate Office for more information. HPR and StressPly are trademarks of The Garland Company, Inc., Garland Canada Inc. and The Garland Company UK, Ltd.