

HPR[®] Torch Base Sheet



OVERVIEW & FEATURES

HPR Torch Base Sheet is used as the underlayment ply for any of Garland's torch-applied membranes. It is fully compatible with both APP or SBS modified membranes. HPR Torch Base Sheet is a Styrene-Butadiene-Styrene (SBS) membrane specially formulated to accept the high heat from a torch. It has a burnable polypropylene backer that melts when the proper torching temperature has been reached. The HPR Torch Base Sheet eliminates the use of a kettle and also allows the torch applied system to be installed with a one ply underlayment.

DO NOT USE the HPR Torch Base Sheet with hot asphalt or cold adhesives.

High Tech Base Sheet - The HPR Torch Base Sheet has a high percentage of SBS rubber that when fused together with the torch-applied membrane gives the system superior puncture and abrasion resistance. It also has high tensile and elongation characteristics.

Eliminates the Use of the 2-Ply Underlayment - Because the HPR Torch Base Sheet is 120 mils (3,048 microns) thick (thicker than 2 plies of Type IV glass in hot asphalt), one ply will be sufficient as the underlayment for torch applied membrane.

Superior Strength - The HPR Torch Base membrane is reinforced with a dual fiberglass scrim. The superior strength provided by this reinforcement resists the movement created by today's modern buildings. In addition, HPR Torch Base Sheet provides tensile strength in excess of 200 pounds per inch in the machine direction. This translates to long-term resistance to splits and tears in the completed HPR torch applied roof system.

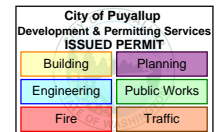
Advanced Rubber Technology - The modifier utilized in HPR Torch Base Sheet is SBS. When the SBS rubber is properly dispersed throughout the high penetration asphalt, the rubber provides increased thermal shock resistance, UV protection, heat resistance, elongation, and low temperature flexibility. To ensure proper dispersion, a special high shear mixer is used in manufacturing.

APPLICATION

The HPR Torch Base Sheet must be used for heat fusing or mechanical fastening applications only. Heat the HPR Torch Base Sheet until the burnable backer is melted. As this occurs, the SBS coating becomes tacky and is ready to roll in place.



FULL SIZED LEDGIBLE REPORT IS REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS



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| Technical Data | HPR Torch Base Sheet |
|-----------------------------|--|
| Tensile Strength | MD 210 lbf./in. (36.75 kN/m) XD 210 lbf./in. (36.75 kN/m) |
| Tear Strength | MD 300 lbf. (1334 N) XD 300 lbf. (1334 N) |
| Elongation | MD 6.0% XD 6.0% |
| Low Temperature Flex | -30°F (-34°C) |

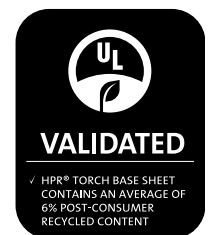
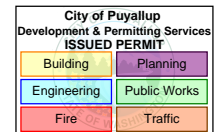
Finished membrane meets and/or exceeds ASTM D 6163, TYPE III
Test Method ASTM D 5147 is tested at:
2 in./min. @ 73.4 ± 3.6°F
(50 MM/MIN. @ 23 ± 2°C)

| Roll Dimensions | HPR Torch Base Sheet |
|--------------------------|------------------------------------|
| Width | 3 ft. 3 in. (1m) |
| Length | 34 ft. 8 in. (10.60 m) |
| Weight | 76 lbs. (34.47 kg) |
| Nominal Thickness | 120 mils (3,048 microns) |
| Net Coverage | 100 sq. ft. (9.29 m ²) |
| Packaging | 25 rolls/pallet |

| Eco-Facts | HPR Torch Base Sheet |
|-------------------------|----------------------|
| Recycled Content | |
| Pre-Consumer | – |
| Post-Consumer | 6% |

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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