

OVERVIEW & FEATURES

Garlastic KM Plus is a high-grade, SEBS (Styrene-Ethylene-Butylene-Styrene) modified roofing interply adhesive and waterproofing asphalt. It offers an exceptionally high softening point and a correspondingly high penetration index to ensure greater flexibility at low ambient temperatures when compared to conventional roofing asphalts.

This special combination of broad performance benefits results in a polymeric asphalt that is ideal for climates that experience extreme temperature fluctuations. One of the major benefits of Garlastic is its extended service life.

Increases Tensile Strength - Garlastic dramatically increases the tensile strength and elongation properties of the roofing membrane due to the inherent properties of the SEBS rubber.

Remains Flexible – Unlike normal asphalt, which begins to harden and degrade as soon as it is applied, Garlastic stays flexible for a long period of time.

Extremely Durable – Its broad application temperature range ensures excellent bonding and durable seams.

Adapts to Roof Stresses – The elasticity provided by the addition of rubber elastomers allows the system to respond more positively to roof stresses. This occurs over a wide range of surface temperatures while continuing to provide good waterproofing, puncture resistance, abrasion resistance and UV resistance.

APPLICATION

Garlastic functions as both the interply adhesive and underlayment in multi-ply BUR configurations with HPR® Glasfelt. It can also be used as the interply adhesive for all Garland standard HPR modified membranes and can be applied as a protective flood coat for a standard BUR system. Garlastic is compatible with all hot-applied roofing products.

Technical Data	Garlastic KM Plus
Flash Point (ASTM D 92)	500°F (260°C) min.
Softening Point (ASTM D 36)	203°F to 221°F (95°C to 105°C)
Penetration @ 77°F (25°C) (ASTM D 5)	30-70 units
Ductility at 77°F (25°C)	50 cm min.
Elongation at 77°F (ASTM D 412)	750% min.
Elastic Recovery (ASTM D 412)	80% min.
Solubility (ASTM D 2042)	99% min.
Flexibility (2 mm thick, 180 degree bend, 1 sec) (ASTM D 3111)	0°F (-18°C) Pass
Density @ 77°F (25°C) (ASTM D 113)	8.3 lbs./gal (1.0 g/cm ³)
Maximum Safe Heating Temp.	500°F (260°C)
Recommended Application Temp.	400°F to 475°F (204°C to 246°C)
Coverage	
Interply	25 lbs./100 sq. ft ± 25% (1.3 kg/m ² ± 25%)
Flood Coat with Gravel	60 lbs./100 sq. ft. ± 25% (3.1 kg/m ² ± 25%)
Packaging	50 lbs (22.68kg) keg
Shelf Life	24 months

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



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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. 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.

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