

## OVERVIEW & FEATURES

FlexBase 80 is a high-strength, puncture and fatigue resistant, rubber modified roof membrane designed for use as the waterproofing and reinforcement layer of a built-up or modified roofing system. It consists of two layers of fiberglass reinforcement sandwiched by Styrene-Butadiene-Styrene (SBS) rubber in a high penetration index asphalt mixture.

FlexBase 80 can be used as the initial underlayment for any Garland HPR® roof system, used in conjunction with Weatherking® and Green-Lock® for a cold-applied system or used with hot asphalt or Garlastic® as a multi-ply BUR. It can also be used as a base flashing or interply in Garland's hot- or cold-applied systems.

**Advanced Rubber Technology** - When the SBS rubber in the FlexBase 80 sheet 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.

**Extraordinary Strength** - FlexBase 80 is reinforced with two layers of fiberglass. The strength provided by the dual fiberglass scrim resists the movement created by today's modern buildings. In addition, the dual fiberglass scrim in FlexBase sheets provide tensile strength in excess of 200 lbs. per inch (3572 kg/m) in the machine and cross machine direction. This translates to long-term resistance to splits and tears in the completed roof system.

**Security in Multi-Ply Construction** - FlexBase 80 is the base component of a multi-ply roof system. It combines the inherent advantages and proven performance of multi-ply protection with the strength, flexibility and elongation of elastomeric systems. This unique combination minimizes dependence on perfect workmanship, contact adhesive seaming, etc.

## APPLICATION

FlexBase 80 can be used as the initial underlayment for any Garland HPR® roof system. Specifications for nailing to various decks are available. In addition, FlexBase sheets are used as the underlayment in Garland's two (2) or three (3) ply hot asphalt or cold-applied Weatherking and Green-Lock systems and also can be used in three (3) or four (4) ply BUR's.

NOTE: All rolls must be cut in 18 ft. (5.5 m) lengths and allowed to relax prior to application.

# FlexBase® 80

Technical Data	FlexBase 80
<b>Tensile Strength</b>	*MD 225 lbf./in. (39 kN/m) *XD 225 lbf./in. (39 kN/m) **MD 240 lbf./in. (42 kN/m) **XD 220 lbf./in. (38 kN/m)
<b>*Tear Strength</b>	MD 300 lbf. (1335 N) XD 300 lbf. (1335 N)
<b>*Elongation</b>	MD 7.0% XD 7.0%
<b>*Low Temperature Flex</b>	passes -30°F (-34.4°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)      \*\*0.08 in./min. @ 0 ± 3.6°F (2 mm/min. @ -18 ± -3°C)

Roll Dimensions	FlexBase 80
<b>Width</b>	3 ft. 3 in. (1m)
<b>Length</b>	34 ft. 8 in. (10.60 m)
<b>Weight</b>	80 lbs. (36.29 kg)
<b>Nominal Thickness</b>	80 mils (2,032 microns)
<b>Net Coverage</b>	100 sq. ft. (9.29 m <sup>2</sup> )
<b>Packaging</b>	25 rolls/pallet

Eco-Facts	FlexBase 80
<b>Recycled Content</b>	
<b>Pre-Consumer</b>	-
<b>Post-Consumer</b>	15%

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)

**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. ± 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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