



## OVERVIEW & FEATURES

SA Base IV is an easy-to-apply, self-adhering, Styrene-Butadiene-Styrene (SBS), fiberglass reinforced modified bitumen base sheet designed specifically for use with the StressPly® IV torch-applied membrane roof system. The strong adhesive backing with a peel-off release film makes this base sheet quick and simple to install, helping to save time and money.

**Security in Multi-Ply Construction** – SA Base IV is the base layer in a multi-ply roof system. It provides a strong, watertight foundation for the multi-ply roof system, adding the necessary strength, flexibility and protection for long-term performance.

**Low Labor** - SA Base IV requires less time and material during installation due to the self-adhering nature of the base sheet, significantly reducing labor costs throughout application.

**Ease of Installation** - SA Base IV has a strong adhesive backing with peel-off release film that is very simple to install and saves time and labor costs on the job.

**Torch-Applied System** - SA Base IV is designed exclusively for “hybrid” roof systems comprised of a self-adhered base sheet and torch-applied cap sheet. SA Base IV uses advanced adhesive technology and a 110 mil sheet, providing superior watertight performance.

## APPLICATION

Before installing base sheets, prime approved roof board with SA Primer™. For wood components only, prime with Pro-Stop™ FR Primer.

Starting at the low point of the roof, unroll SA Base IV in the desired position. Fold the membrane length-wise back onto itself, remove the split-back release film from the exposed side, and gradually push the membrane into place. Apply even pressure along the entire length of the membrane from the center to outer edges to avoid air pockets or wrinkles.

Repeat for the other side. Firmly apply pressure with a suitable weighted roller to ensure 100% adhesion. The base sheets are installed in shingle fashion throughout the prepared substrate.

### Application of nailable substrate

Beginning at the low point of the roof, install one (1) ply of SA Base IV with the white release film facing upward. Start with an appropriate roll width (1/3 or 1/2 roll width) to accommodate offsetting of side laps of subsequent layers of SA Base IV and/or StressPly SA FR Mineral cap sheet. Install so that no side laps are against the flow of water. Fasten SA Base IV with a minimum fastening pattern of every 9" o.c. on side laps and every 18" o.c. in two staggered rows in the field of the sheet. Overlap base sheet side laps 4" and end laps 8". Offset end laps a minimum of three (3) feet.

SA Base IV rolls are individually boxed. Store rolls in closed containers until ready for installation. Apply when the ambient air temperature, roll temperature and substrate temperature are all 50°F (10°C) or above. Application in cool temperatures will negatively affect adhesion.

**NOTE:** Do not leave installed base sheet exposed; cover the same day with StressPly IV torch-applied cap sheet.

**NOTE:** Sweep or blow away any dust, dirt or sand particles that could interfere with adhesion between each layer step.

See SA Base IV Application Guide for full list of approved roof boards and detailed instructions.

Roll Dimensions	SA Base IV
<b>Width</b>	3 ft. 4 in. (1 m)
<b>Length</b>	33 ft. 8 in (10.26 m)
<b>Weight</b>	79 lbs. (36 kg)
<b>Nominal Thickness</b>	110 mils (2794 microns)
<b>Net Coverage</b>	100 sq. ft. (9.29 m <sup>2</sup> )
<b>Packaging</b>	20 rolls/pallet (Individually boxed)

For specific application recommendations, please contact your local Garland Representative or Garland Technical Service Department.

Technical Data	SA Base IV
<b>Tensile Strength</b> ASTM D 5174	MD 80 lbf./in. (14 kN/m) XD 57 lbf./in. (10 kN/m)
<b>Tear Strength</b> ASTM D 5174	MD 57 lbf. (254 N) XD 51 lbf. (227 N)
<b>Elongation</b> ASTM D 5174	MD 9% XD 8%
<b>Low Temperature Flex</b> ASTM D 5174	0°F (-18°C) Pass
<b>Shelf Life</b>	12 months

Test Method ASTM D 5147 is tested at: 2 in./min @ 0 ± 73.4 ± 3.6°F (50 mm/min @ 23 ± 2°C)



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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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