

DERBISTICK SA

SBS modified bitumen self adhered air barrier/vapor retarder

DESCRIPTION

Derbistick SA is a self-adhered air barrier/vapor retarder composed of an SBS-modified bitumen in combination with a high tack self-adhesive. It's self-adhering application provides a cleaner, more efficient installation process, saving you time and money. Derbistick SA delivers long-term waterproofing and serves as critical first line of defense for roof top assemblies.

PRODUCT INFORMATION

| PROPERTY | VALUE |
|---|-------------------|
| Thickness; mil (mm) | 31 (0.8) |
| Length; ft (m) | 134 (40.8) |
| Width; in (m) | 45 (1.1) |
| Weight; lb (kg) | 80 (35.8) |
| Net Coverage; ft ² (m ²) | 468 (43.5) |

* All values shown are nominal and subject to normal manufacturing tolerances.

ADVANTAGES

- ▶ High-quality, SBS rubber and asphalt blends provides low air and vapor permeability
- ▶ High tensile strength and slip resistant surface provides an excellent temporary roofing substrate for foot traffic during construction
- ▶ Specially formulated high-tack adhesive forms an immediate long-lasting bond
- ▶ Easy-to-peel release film for faster installation
- ▶ 100% UV protected for up to 90 days
- ▶ Suitable for use on wood, steel, gypsum, concrete board, asphalt panel or direct concrete
- ▶ Specially manufactured 45 inch roll width maximizes product coverage and reduces waste

TECHNICAL CHARACTERISTICS

DERBISTICK SA*

| PROPERTY | MD | XMD | ASTM |
|-------------------------------|-----------|------------|-------|
| Peak Load @ 73.4°F; lbf/in | 54 | 74 | D2178 |
| Ultimate Elongation 73.4°F; % | 33 | 25 | D5147 |
| Tear Resistance; lbf | 95 | 103 | D5147 |

| PROPERTY | VALUE | ASTM |
|--|-------------------|-------|
| Static Puncture; lbf | 90 | D5602 |
| Lap Adhesion; lbf/ft | 68 | D1876 |
| Peel Resistance; lbf/in | 5.4 | D903 |
| Cold Flex; °F | -58 | D5147 |
| Water Absorption; % | 0.1 | D5147 |
| Water Vapor Permeance; Perm | 0.03 | E96 |
| Air Permeability; L/s • m ² | < 0.001 | E283 |

* All values shown are nominal and subject to normal manufacturing tolerances.

PACKAGING & STORAGE

Packaged 25 rolls per pallet. Store rolls on end and maintain in an upright position to prevent damage. Store rolls in a clean, dry location and cover as necessary to protect rolls from environmental damage such as extreme cold, heat or moisture.

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SURFACE PREPARATION

GENERAL: Preparation of the substrate and proper application are critical to the long-term performance of self-adhered membranes. All surfaces must be free of gross irregularities, loose, unsound or foreign material. Conditions included are dirt, moisture, oil, grease, release agents, paints, coatings, lacquers, roof cements, excess granules or any substances that may prohibit adhesion.

SA PRIMER: Performance Roof Systems requires the application of SA Primer for all existing roof surfaces except steel. Prime all working surfaces with SA primer at a rate of $\frac{3}{4}$ - 1 gallon per 100 square feet via roller, brush, or spray equipment. Ensure light, uniform coverage and ensure primer is not being applied heavy or thick. The primer should feel tacky but not transfer when touched.

NOTE: Do not proceed if primer is wet or becomes fully dry or dirty. If primer becomes fully dry, dirty and loses all tack, re-prime the substrate as necessary to achieve membrane adhesion.

APPLICATION

1. Unroll Derbistick onto the roof surface and allow membrane to relax.
2. Once positioned, firmly hold the membrane in place and remove the silicone release film. For best results, slowly peel film backing away at an angle.
3. Side laps must be a minimum of 3 inches and end laps a minimum of 6 inches. Offset end laps by a minimum of 18 inches. Roll all seams using a 4 inch rubber roller to ensure positive adhesion.
4. Roll the finished surface using an 80 lb linoleum roller to ensure positive adhesion.

LIMITATIONS

- ▶ Adequate surface preparation is the key to proper adhesion. Ensure all substrates are clean, dry and receive the specified self-adhesive primer.
- ▶ Performance Roof Systems advises that adhesion/peel tests be performed prior to application for concrete, masonry and other substrates where surface conditions may vary. Contact Technical Services for applicable recommendations.
- ▶ This product is not suitable for use with hot asphalt application
- ▶ Do not attempt application if ice, snow, moisture or dew are present. Temperatures should be a minimum of 5 degrees above the dew point.
- ▶ May be left in place during construction. When left exposed to precipitation, positive slope and adequate drainage is required. The effects of weathering may vary based upon local climate and project conditions.