

**Product Description:**

IBARRIER™ SA Membrane is a 31-mil thick self-adhesive membrane composed of an SBS polymer modified bitumen with a high-tack adhesive. The top side is surfaced with a high strength tri-laminate polyethylene film and the underside is surfaced with a protective polyolefin single release film that is designed to be removed during application.



**Packaging:**

IBARRIER™ is palletized and shrink wrapped 25 per pallet. IBARRIER rolls are 45" wide x 134' long and weigh an average of 80 lbs. IBARRIER will cover approximately 468 square feet with a 3" side overlap and 6" end overlap.

| IBARRIER™ SA MEMBRANE |                            |              |                            |             |              |
|-----------------------|----------------------------|--------------|----------------------------|-------------|--------------|
| Sheet                 | Squares/Roll               | Roll Size    | Coverage w/ 3" Lap         | Roll Weight | Rolls/Pallet |
| IBARRIER              | 5.02 Squares (502 sq. ft.) | 3.75' x 134' | 4.68 Squares (468 sq. ft.) | 80 lbs.     | 25           |

**Features:**

- High resistance to foot traffic
- Self-sealing air barrier/vapor retarder
- Ideal for use with mechanically fastened insulated systems
- No primer required for installation on new steel decks
- Compatible with 2-component insulation adhesives
- Suitable for use with wood, steel, structural concrete, and gypsum decks
- Underside has a single release film
- May be left exposed for up to 90 days

**Surface Preparation:**

Except for new steel decks, all substrates must be primed with IBARRIER Primer or IBARRIER Primer LV. The substrate should be clean and sound, free of loose materials or contaminants, such as water or grease that may compromise the performance of the product.

**Application:**

Refer to IB Specifications and Construction Details for additional installation instructions. Minimum recommended application temperature for IBARRIER is 50°F (10°C). All surfaces should be clean, dry, free of dirt, dust, debris, oils, soaps, coatings, and other contaminants that may inhibit bonding. Prime substrates as required. Unroll IBARRIER and allow to relax prior to application. Align roll and set into position with 3" side and 6" end laps. Hold sheet tight on one end, while removing release film from underside by pulling diagonally in opposite direction. Continuing installing subsequent rolls in same manner. Use a weighted roller to roll installed membrane and lap areas to ensure full contact with substrate. Note: Over steel decks, at the end of each roll, install a 6" x 42" sheet metal plate to support the end lap between deck ribs. Ensure 6-inch end laps are maintained during installation.

**Approvals:**

IBARRIER is listed with various component assemblies at Underwriters Laboratories, FM Approvals, and Florida Building Code Product Approvals. Refer to individual assembly approvals for additional information and requirements. Visit our website for links to these agencies and listings at: [www.ibroof.com](http://www.ibroof.com).

| Physical Properties*      |             |                             |             |
|---------------------------|-------------|-----------------------------|-------------|
| Property                  | ASTM Method | Results                     |             |
|                           |             | MD                          | XMD         |
| Thickness (Avg.)          | D5147       | 31 mils (0.8 mm)            |             |
| Tensile Strength (Avg.)   | D5147       | 54 lbf./in.                 | 74 lbf./in. |
| Ultimate Elongation @ 73F | D5147       | 33%                         | 25%         |
| Tear Resistance (Avg.)    | D1970       | 95 lbf.                     | 103 lbf.    |
| Static Puncture (Avg.)    | D5602       | 90 lbf.                     | 90 lbf.     |
| Lap Adhesion              | D1876       | 68 lbf./ft.                 |             |
| Water Absorption (Max.)   | D5147       | 0.1%                        |             |
| Peel Resistance (Avg.)    | D903        | 5.4 lbf./in.                |             |
| Cool Bending              | D5147       | -58°F (-50°C)               |             |
| Water Vapor Permeance     | E96         | 0.03 perm. (1.7)            |             |
| Air Permeability (Avg.)   | E283        | <0.001 L/sec/m <sup>2</sup> |             |

\* Physical properties shown are based on data obtained under controlled conditions and are subject to normal manufacturing tolerances.

**Temperature Guidelines**

Store rolls in an upright position and protect from excessive cold, heat, sunlight, and moisture. Optimum product storage temperature is 60-80°F (15-27°C) for 24 hours prior to use. Outside Application Temperature / Ambient is 50°F (10°C) and rising. Substrate Surface Temperature Range: 50-90°F (10-32°C). Solar load (sun exposure) or temperatures above or below optimal application range can influence the effectiveness of self-adhesive adhesion properties.

**Limitations:**

- Do not store in direct sunlight.
- Do not use when ambient, substrate or product temperatures are outside specified temperature ranges.
- Do not use during inclement weather, on wet surfaces or on any roof deck showing signs of deterioration or loss of structural integrity.
- Not suitable for direct adhesion of IB PVC to IBARRIER. An approved separation sheet, or insulation is required between PVC and IBARRIER.
- Shelf life is approximately 18 months. Always rotate stock. Do not use after the expiration date