



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 silicone single release film that is designed to be removed during application.

Only the following substrates¹ are acceptable to receive the IBARRIER SA Membrane:

- Wood, steel, structural concrete and gypsum decks
- Most gypsum coverboards rated for adhered applications.

¹Substrates and all surfaces must be clean, dry, and free of dirt, dust, debris, oils, loose and/or embedded gravel. IB Roof Systems recommends insulation adhesion pull tests in accordance with ANSI/SPRI IA-1 prior to beginning work to confirm acceptable uplift resistance.

Features & Benefits:

- 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
- Underside has a single release film
- May be left exposed for up to 90 days

Temperature Guidelines:

Store rolls in an upright position, protected from excessive cold, heat, sunlight, and moisture.

Optimum product storage temperature is 55-80°F (13-27°C) for 24 hours prior to use.

Outside Application Temperature: Ambient temperature is 50°F (10°C) and rising. Bring temperature of membrane to approximately 70°F (21°C) for approximately 24 hours before use. Do not store in direct sunlight or above 90°F (32°C).

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.

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.



Product details stated are nominal as manufactured, and the results of tests and/or calculations and therefore are non-binding and do not represent a guarantee or warranted characteristics. User and/or designer are responsible for confirming suitable performance for specific application and conforming with all applicable laws and regulations.

IBARRIER XP SA Membrane				
Squares/ Roll	Roll Size	Coverage w/ 3" Lap	Weight	Rolls/ Pallet
5.02 Squares (502 SF)	3.75' x 134'	4.68 Squares (468 sq. ft.)	80 lbs.	25
FUNCTION/USE		APPLICATION		
Air Barrier/Vapor Retarder		Self-Adhered		

Physical Properties:

Property	ASTM Method	Results (nom)	
		MD	XMD
Thickness (Avg.)	D5147	31 mils (0.8 mm)	
Tensile Strength (Avg.)	D5147	51 lbf./in.	71 lbf./in.
Ultimate Elongation @ 73F	D5147	33%	25%
Tear Resistance (Avg.)	D1970	95 lbf.	103 lbf.
Dynamic Puncture (Avg.)	D5602	152 lbf.	152 lbf.
Lap Adhesion w/ primer	D1876	60 lbf./ft.	
Lap Adhesive w/o primer	D1876	41 lbf./ft	
Water Absorption (Max.)	D5147	0.1%	
Peel Resistance (Avg.)	D903	5.3 lbf./in.	
Cool Bending	D5147	-58°F (-50°C)	
Water Vapor Permeance	E96	0.03 perm. (1.7)	
Air Permeability (Avg.)	E283	<0.002 L/sec/m ²	

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

Surface Preparation:

Except for new steel decks, all substrates must be primed with IBARRIER™ Primer, IBARRIER™ Primer LV, or IBARRIER™ Primer LVOC. 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. 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 SA Membrane and allow it 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.

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 membranes to IBARRIER SA Membrane. An approved separation sheet, or insulation is required between PVC and IBARRIER SA Membrane.
- Shelf life is approximately 12 months. Always rotate stock. Do not use after the expiration date.

Safety:

Use proper equipment and assistance when moving, lifting, handling, or transporting membrane rolls to avoid personal injuries as well as damage to the membrane. Refer to the Product Safety Data Sheet for additional safety information.

Self-Life:

12 months from date of manufacture

Go to <https://ibroof.com/tds> for the most up-to-date version of this document.

Toll Free: 800-426-1626

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