

Product Description:

IBARRIER™ XP SA Membrane is a 10-mil thick self-adhesive, non-asphaltic, high temperature, air and vapor barrier membrane composed of a proprietary polypropylene film with a very aggressive pressure sensitive adhesive. The top side is surfaced with a high strength polypropylene film and the underside is surfaced with a protective siliconized single release film that is designed to be removed during application.

Use:

IBARRIER™ XP SA Membrane can be installed on roofs with a minimum slope of 1/4":12 in both commercial and residential projects. **IBARRIER™ XP SA Membrane** helps form a barrier against air, vapor, and water.

Packaging:

IBARRIER™ is palletized and shrink wrapped 60 per pallet. **IBARRIER** rolls are available in 60" wide x 100' long and weigh an average of 54 lbs. **IBARRIER** will cover approximately 473.8 square feet with a 3" side and end overlaps.

Features & Benefits:

- Impermeable to air, water, and moisture vapor
- Non-asphaltic
- Can be installed in low temperatures up to 20°F (-6.6°C)
- No primer required for installation on most substrates
- Compatible with 2-component insulation adhesives
- Suitable for use with plywood, metal roofing (pre-painted steel, galvanized metal, aluminum), steel decks, structural concrete, and gypsum decks, gypsum fiber sheathing boards, single-ply and modified bitumen.
- Underside has a single release film
- May be left exposed for up to 180 days

Surface Preparation:

Steel surfaces must be clear of any oil residue and moisture. Wood decks must be dry to the touch and clear of dirt and dust. **IBARRIER™ XP SA Membrane** can be installed in 20°F (-6.6°C) and rising temperatures. **IBARRIER™ XP SA Membrane** surface is white, reducing the overall temperature gain during installation. Except for high wind zones, it is usually not necessary to prime surfaces. When priming is required, all substrates must be primed with **IBARRIER 1-Part Spray Primer**. 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 20°F (-6.6°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 align roll, then set into position with 3" side and 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. After multiple runs of the product are installed, roll the entire section of installed membrane with a weighted roller, starting from the middle working outward, min. 70 lbs. Shingled laps are required. Ventilate as required per code.

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.

IBARRIER™ XP SA Membrane				
Squares / Roll	Roll Size	Coverage w/ 3" Lap	Weight	Rolls/ Pallet
5.0 Squares (500 SF)	5' x 100'	4.73 Squares (473 sq. ft.)	54 lbs.	60

Physical Properties*			
Property	ASTM Method	Results (nom)	
		MD	XMD
Color		White	
Thickness (Avg.)	D5147	10.2 mils (0.26 mm)	
VOC		None	
Max Exposure		180 Days	
Elongation	D412	409%	276%
Elongation at Break	D882	541%	617%
Elongation at Break	D5034	120%	157%
Tensile Strength	D412	2460 psi.	1721 psi
Dry Tensile Strength	D882	22 lbf./in.	22 lbf./in.
Dry Breaking Force	D5034	76 lbf.	80 lbf.
Puncture Resistance	E154	Deflection 2.3" Max Load 56 lbf	
Low Temperature Flexibility	AC38	Pass	
Weathering	AC38	Pass UV Exposure Pass Accelerated Aging	
Wear Resistance	Wheel barrow	Pass	
Water Vapor Transmission	E96	0.0173 Perms	
Water Vapor Transmission	F1249	0.0193 Perms	
Water Ponding	ICC-ES AC 48	Pass	
Air Permeance	E2178	0.00912 L/sec/m ²	
Nail Sealability	D1970	Pass	
Flame Spread	E84	5	
Smoke Development		15	

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

Temperature Guidelines

Store material in original packaging. Protect rolls from direct sunlight and inclement weather until they are ready for use. Optimum product storage temperature is 60-80°F (15-27°C) for 24 hours prior to use. Outside Application Temperature / Ambient is 20°F (-6.6°C) and rising. Substrate Surface Temperature Range: 40-90°F (4-32°C). **IBARRIER™ XP SA Membrane** surface is white, reducing the overall temperature gain 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 it during inclement weather, on wet surfaces or on any roof deck showing signs of deterioration or loss of structural integrity.
- IBARRIER™ XP SA Membrane should be covered within 180 days of installation with permanent roofing system.
- Shelf life is approximately 12 months. Always rotate stock. Do not use after the expiration date.

Safety

Persons who access any roofs, involved with roof construction, repair or maintenance shall use appropriate personal protective equipment including, but not limited to, hard hats, eye protection, and leather gloves and must be trained on safe practices relevant to their work.

Where the use of ladders, scaffolds, platforms, or temporary floors are utilized, safety lines and safety harnesses shall be used.

Please access the OSHA Web site at www.osha.gov, contact your local OSHA office, or visit the local federal bookstore to obtain the most current information on OSHA 29 CFR 1926.

CAUTION

Product is slippery when wet. Release liners are slippery. To prevent injury, liner should be removed from under foot as soon as membrane is installed and disposed of properly.

LIMITED WARRANTY: Unless an IB Total Systems Warranty is expressly issued by and registered with IB Roof Systems in lieu thereof, this product is covered only by a Limited Product Warranty ("Limited Product Warranty") and THE LIMITED PRODUCT WARRANTY IS LIEU OF ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, EACH OF WHICH ARE SPECIFICALLY DISCLAIMED. The Limited Product Warranty is available at: www.ibroof.com or a copy can be provided by requesting it by calling 800-426-1626 or email warranty@ibroof.com.