

### Product Description:

IBARRIER™ VP SA Membrane is a 20-mil thick self-adhesive, non-asphaltic, high temp, multi-purpose air and permeable vapor retarder membrane composed of a breathable top and proprietary underside with a very aggressive pressure sensitive adhesive. The top side consists of a spun-bond polyester fabric and the underside is surfaced with a protective siliconized single release film that is designed to be removed during application.

### Use:

IBARRIER™ VP SA Membrane can be used as a dedicated air barrier and moisture control layer within the roof assembly, in new and reroof construction on roofs with a minimum slope of 1/4":12 in both commercial and residential projects. IBARRIER™ VP SA Membrane is a permeable vapor retarder air barrier in recover/reuse applications and is ideal for concrete surface protection and mass timber protection as the structure is erected.

### Packaging:

IBARRIER™ is palletized and shrink wrapped 25 per pallet. IBARRIER rolls are available in 59" wide x 102' long and weigh an average of 46 lbs. IBARRIER will cover approximately 474.8 square feet with a 3" side and end overlaps.

### Features & Benefits:

- Exceptional air barrier and permeable vapor retarder
- Helps reduce condensation
- Slip resistant surface
- Helps facilitate drying of existing components such as insulation, concrete, wood, and lightweight insulating concrete decks towards component reuse.
- Environmentally friendly - No VOCs and supports sustainable roofing practices by allowing the reuse of existing insulation and other components diverting landfill use.
- 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, mass timber (all types), metal roofing (pre-painted steel, galvanized metal, aluminum), steel decks, structural concrete, and gypsum decks, gypsum fiber sheathing boards
- Underside has a single release film
- May be left exposed for up to 180 days
- High temperature resistance up to 300°F (149°C)

### 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™ VP SA Membrane can be installed in 20°F (-6.6°C) and rising temperatures. 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.

In low lying areas or areas that could pond water, areas such as drains, valleys, penetrations, and seams such be additionally protected with IBARRIER™ SA Tape. Tape must be rolled in with a weighted roller to ensure proper adhesion.

**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. In low lying areas or areas that could pond water, areas such as drains, valleys, penetrations, and seams such be additionally protected with IBARRIER™ SA Tape. Tape must be rolled in with a weighted roller to ensure proper adhesion.

### 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).

IBARRIER™ VP SA Membrane				
Squares / Roll	Roll Size	Coverage w/ 3" Lap	Weight	Rolls/ Pallet
5.0 Squares (501 SF)	4'11" x 102'	4.74 Squares (474 sq. ft.)	46 lbs.	25

### 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 40-120°F (4.4-48.9°C) for 24 hours prior to use. Protect materials from direct sunlight and inclement weather until ready for use. Outside Application Temperature / Ambient is 20°F (-6.6°C) and rising. Substrate Surface Temperature Range: 40-90°F (4.4-32°C).

Physical Properties*			
Property	ASTM Method	Results (nom)	
		MD	XMD
Color		Black	
Thickness (Avg.)	D5147	20 mils (0.51 mm)	
VOC		None	
Max Exposure		180 Days	
Elongation, Dry Breaking Force, %	D5034	31%	40%
Dry Breaking Force, lbf./in.	D5034	135 lbf./in.	113 lbf./in.
Tensile Strength, lbf./in.	D2523	16 lbf./in.	8 lbf./in.
Elongation, %	D5034	36%	40%
Puncture Resistance	E154	Deflection 1.7" Max Load 143 lbf	
Tear Resistance, (Tongue)	D5601	16 lbf./in.	15 lbf./in.
Tear Resistance, (Tongue)	D4073	96 lbf./in.	61 lbf./in.
Low Temp Flexibility	D5147	Pass @ -50°F	
Static Puncture Resistance	D5602	Pass (Concrete), 100 lbf Pass (Insulfoam IX), 50 lbf	
Water Vapor Transmission	E96	30 Perms	
Water Vapor Transmission	E398	30 Perms	
Water Ponding	ICC-ES AC 48	Pass	
Air Permeance	E2178	0.00437 L/sec/m <sup>2</sup>	
Nail Sealability	D1970	Pass	
Flame Spread	E84	5	
Smoke Development		45	

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

### 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™ VP 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](http://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](http://www.ibroof.com) or a copy can be provided by requesting it by calling 800-426-1626 or email [warranty@ibroof.com](mailto:warranty@ibroof.com).