

HEATLOK® | ABS MEMBRANE

AIR BARRIER SYSTEM



TECHNICAL DATA SHEET

Heatlok® ABS Membrane is a self-adhesive membrane composed of SBS modified bitumen and a tri-laminated woven polyethylene facer. The tri-laminated woven polyethylene is compatible for the use of sprayed polyurethane foam insulation. The underface is covered with a silicone release paper or film. Heatlok ABS Membrane is designed for air/vapor barrier waterproofing applications. It is also used as masonry and through wall flashing membrane as well as waterproofing membrane at openings and transitions.

RECOMMENDED SUBSTRATES

This product can be used on most substrates, such as masonry, concrete, wood and gypsum.

SURFACE PREPARATION

The use of Heatlok ABS Primer is required before the installation of Heatlok ABS Membrane. The substrate should be clean, sound, free of excess water and loose materials, grease and any contaminants, which may compromise the performance of the product.

INSTALLATION

Heatlok ABS Membrane must be adhered to support by peeling off the silicone release paper or film. All membrane overlaps must be a minimum of 2 inches (50mm). Once installed, a pressure must be applied over the whole surface using a hard roller to ensure a perfect adhesion.

UV EXPOSURE

Up to 90 days.

APPLICATION TEMPERATURES		
Winter Grade	14 - 50°F	-10 - 10°C
Summer Grade	50 - 122°F	10 - 50°C

SERVICE TEMPERATURES		
Winter Grade	-49 - 194°F	-45 - 90°C
Summer Grade	-49 - 194°F	-45 - 90°C

For complete information on product installation, please consult your Demilec representative.

PACKAGING		
Specifications	Heatlok ABS Membrane (complete roll)	Heatlok ABS Membrane (pre-cut roll)
Thickness	40 mil (1.0 mm)	
Dimensions	36 in x 75 ft (910 mm x 22.9 m)	6 in x 75 ft (150 mm x 22.9 m) 9 in x 75 ft (225 mm x 22.9 m) 12 in x 75 ft (300 mm x 22.9 m) 18 in x 75 ft (450 mm x 22.9 m)
Weight	0.2 lb/ft ² (1.0 kg/m ²)	
Selvedge Width	2 in (50 mm)	-
Surface	Tri-laminated woven polyethylene	
Underface	Silicone release paper	Silicone release film
Qty/pal	36	Varies depending on the width

STORAGE & HANDLING

Rolls must be stored upright, with the selvedge side on top. If the product is stored outdoors, cover them with an opaque protective cover after removal of the delivery packaging.

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PROPERTIES		
<i>Properties</i>	<i>Standards</i>	<i>Heatlok ABS Membrane</i>
Tensile Strength, MD/XD	ASTM D5147	74 / 55 lb/in (13.1 / 9.6 kN/m)
Ultimate Elongation, MD/XD	ASTM D5147	40 / 25 %
Ultimate Elongation (bitumen)	ASTM D5147	> 1000 %
Flexibility at Cold Temperature	ASTM D5147	-31°F (-35°C)
Flow at 230°F (110°C)	ASTM D5147	Pass
Static Puncture	ASTM E154	129 lbf (575 N)
Tear Resistance, MD/XD	ASTM D5147	120 / 55 lbf (535 / 245 N)
Lap Adhesion	ASTM D1876	12 lbf/in (2100 N/m)
Peel Resistance on Primed Gypsum	ASTM D903	7 lbf/in (1180 N/m)
Water Vapor Transmission	ASTM E96 (Procedure B)	< 0.037 perm (< 2.1 ng/Pa•s•m ²)
Air Permeability, 75 Pa	ASTM E2178	< 0.0005 L/s•m ² (< 0.00001 cfm/pi ²)
Air Leakage Resistance	ASTM E2357	< 0.002 L/s•m ²
Air Permeance of Membrane	CAN/ULC S741	< 0.001 L/s•m ²
Air Leakage Rate Classification	CAN/ULC S742	A1
Resistance to Wind Gusts	ASTM E330 (3000 Pa-10s)	No delamination, no variation of air permeability
Resistance to Uniform Static Air Pressure	ASTM E330 (100 Pa-1h)	No significant delamination, no variation of air permeability
Fire Resistance	Component of an assembly tested in conformity with NFPA 285	Pass
Nail Sealability	ASTM D1970 modified	Pass