



TECHNICAL DATA SHEET  
**Blueskin® Metal Clad®**  
Self-Adhered Water Resistive Air Barrier

Physical property	Typical value	Test method
Surfacing	Aluminum Foil Laminate	-
Thickness, nominal	40 mils (1.0 mm)	-
Application Temperature, min	+20 °F (-7 °C)	-
Service Temperature	-40 °F to +240 °F (-40 °C to +116 °C)	-
Water Vapor Transmission	<0.1 Perm	ASTM E96, Method B
Tensile Strength	>800psi XD >700psi MD	ASTM D1970
Elongation	>300% XD >300% MD	ASTM D1970
Puncture Resistance	>90 lbf (>400 N)	ASTM E154
Air Permeance @ 75Pa (@ 1.75psf)	<0.0006 cfm/ft <sup>2</sup> (<0.003 L/s.m. <sup>2</sup> )	ASTM E2178
Air Leakage	Pass	ASTM E2357
Air Leakage Rate	Classification A1	CAN/ULC-S742
Nail Sealability	Pass	AAMA 711, ASTM D1970 modified
Water Absorption	<0.1%	ASTM D570
Low Temperature Flexibility	Pass @ -20 °F (-29 °C)	ASTM D1970
Lap Adhesion, unprimed	>15pli	ASTM D3330, Method F
Flame Spread Index	5, Class A	ASTM E84
Smoke Developed Index	350, Class A	ASTM E84
Fire Testing	Compliant in various wall assemblies	NFPA 285

### Description

**Henry® Blueskin® Metal Clad®** is a UV resistant self-adhered water resistive air barrier membrane comprised of rubberized asphalt and dual-layers of high strength polyolefin with a surface layer metallic aluminum film. Due to its metallic surfacing, Blueskin Metal Clad exhibits excellent weathering resistance when applied to above-grade wall assemblies. This vapor impermeable membrane is available in various roll widths for both membrane and flashing applications and has a removable release liner for ease of installation.

### Features and benefits

- Permanent UV exposure under open joint cladding
- Can be left exposed for up to 12 months during construction
- Aluminum surfacing offers ideal substrate for adhesion of construction sealants
- Compatible with other Henry air barrier system components
- Compliant in various NFPA 285 wall assemblies
- Low temperature application down to 20 °F (-7 °C)
- Living Building Challenge Declare label (Red List Free)

### Usage

**Blueskin Metal Clad** is designed for use as a self-adhered air, vapor and water resistive barrier. It can also be used as a flashing/transition sheet in conjunction with **Henry Air-Bloc®** fluid applied membranes.

### Application

Refer to the **Blueskin Metal Clad** Guide Specification and details for installation instructions.

**Surface Prep:** Acceptable substrates include precast and cast-in place concrete, CMU, steel, aluminum, galvanized metal, exterior grade gypsum board, OSB and plywood. All surfaces to receive this product must be dry, clean of oil, dust and excess mortar. Strike masonry joints flush. Concrete surfaces must be smooth and without large voids, spalled areas or sharp protrusions. Concrete must be cured a minimum of 14 days and must be dry before product is applied. Where curing compounds are used, they must be clear resin based, without oil, wax or pigments. All surfaces to receive **Blueskin Metal Clad** require an application of **Henry Blueskin Adhesive, Henry 573 Blueskin LVC Spray Primer, Henry 574 Blueskin LVC Adhesive or Henry Aquatac™ Primer**, and allowed

## Blueskin Metal Clad Self-Adhered Water Resistive Air Barrier

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to dry to a tacky film before Metal Clad is applied. Coated surfaces not covered by membrane during the working day must be recoated. Availability may vary by region.

**Apply:** Position membrane for alignment, remove protective film and press firmly in place. Roll membrane, including seams, with a countertop roller to ensure adhesion to substrate and laps. **Blueskin Metal Clad** must be lapped a minimum of 2" on both side and end laps. When using membrane with brick ties, position membrane, press in place and cut for ties or projections. Seal around openings and at leading edge at the end of the day's work with **Henry 925 BES Sealant** or **Henry Air-Bloc LF Liquid-Applied Flashing**. Detail work must be carefully carried out to ensure continuous air tightness of the air barrier system.

Membrane applied to the underside of the substrate (i.e. ceilings) and extending more than 6 inches (152 mm) onto inverted surfaces require mechanical fastening immediately after membrane installation.

**Limitations:** Avoid contact of rubberized asphalt compound with flexible PVC/Vinyl membrane or gaskets. Do not apply Metal Clad onto flexible PVC or other single ply roof membranes.

### Product size/packaging

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4" x 66.7" (10 cm x 20m)  
6" x 66.7" (15.2 cm x 20m)  
9" x 66.7" (22.8 cm x 20 m)  
12" x 66.7" (30.5 cm x 20 m)  
18" x 66.7" x 66.7" (45.7 cm x 20 m)  
36" x 66.7" (91.4 cm x 20 m)

### Storage

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Store rolls in original shipping containers until ready to use. Protect from water, high humidity, heat greater than 120 °F, direct sunlight, and other contaminants that would inhibit adhesion. For best results, if ambient temperature is below 40 °F or product is exhibiting stiffness in handling, store in a warm room until product warms to workable condition.

For more information, visit [www.henry.com](http://www.henry.com) or for technical assistance call us at 800-486-1278. For more information on the Henry® product warranty and liability disclaimer please visit [www.henry.com/warranty](http://www.henry.com/warranty). Refer to the Safety Data Sheet prior to using this product. The Safety Data Sheet is available at [www.henry.com](http://www.henry.com) or by emailing Henry® Product Support at [productsupport@henry.com](mailto:productsupport@henry.com) or by calling 800-486-1278.

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