Blueskin® Metal Clad® LT

Burn and UV Resistant Air & Vapor Barrier
Low-Temperature Formula

Physical property	Typical value	Test method
Surfacing	Aluminum Foil Laminate	-
Thickness, nominal	40 mils (1.0 mm)	-
Application Temperature, min	15 °F (-9.4 °C)	-
Service Temperature	-25 °F to +180 °F (-32 °C to 82 °C)	-
Water Vapor Transmission	0.01 Perm	ASTM E96, Method A & B
Tensile Strength	44 lbf/in (7.7 N/mm)	ASTM D882
Elongation (Rubberized Asphalt)	300%	ASTM D412
Puncture Resistance	80 lb$_f$ (356 N)	ASTM E154
Tear Initiation and Propagation	32 lb$_f$ (142 N)	ASTM D4073
Air Permeance @ 75Pa (@ 1.57psf)	0.0002 cfm/ft^2 (0.001 L/s*m^2)	ASTM E2178
Air Leakage through Assembly	0.0014 CFM/ft^2 @ 1.57 PSF (0.007 L/s*m^2 @ 75 Pa)	ASTM E2357, penetrated mockup, max after load cycling
Nail Sealability	Pass	ASTM D1970
Water Absorption	0.14%	ASTM D570
Low Temperature Flexibility	Pass @ -20 °F (-29 °C)	ASTM D1970
Peel Strength (primed concrete)	7.5 lbf/in (1.3 N/mm)	ASTM D903
Lap Adhesion	5 lbf/in (0.9 N/mm)	ASTM D1876
Flame Spread Index	15	ASTM E84
Smoke Developed Index	200	ASTM E84
Fire Testing	Compliant in many wall assemblies; meets IBC 2018 - 1403.5 exception #2	NFPA 285

Description

Henry® Blueskin® Metal Clad® LT is a self-adhered membrane comprised of a rubberized asphalt adhesive factory-applied to a composite facer of cross-laminated HDPE and aluminum foil. The metallic surfacing affords Blueskin Metal Clad excellent weathering and burn resistance when applied in above-grade wall assemblies. This air and vapor barrier membrane is available in various roll widths for both membrane and flashing applications and has a removable release liner for ease of installation. **Henry® Blueskin® Metal Clad® LT** is made with an extra-tacky adhesive to facilitate cold weather installation. Product bonds readily to primed substrate and in un-primed laps down to 15°F (-9.4°C) ambient, product and substrate temperature.

Features and benefits

- Easy installation down to 15°F (-9.4°C) – Keep working during winter
- Factory applied thickness and composition – Assured even coverage
- Fully-adhered 35-mils (0.9mm) of adhesive – Bites into rough substrates, seals around penetrating fasteners
- Printed facer and lap lines - Provides easy product identification and aids installation
- NFPA 285 compliant, meets IBC 1403.5 exception #2 – Fire safety compliant in many wall assemblies
- Stiffer, boardier facer than plain poly - Affords easier installation
- Can be left exposed for up to 12 months - Allows more schedule flexibility
- Adhesion and compatibility of facer with many sealants and adhesives – Facilitates system tie-ins
- Compatible with other Henry air barrier system components – Enables longer system UV exposure

Usage

Blueskin Metal Clad LT 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.

Henry®Company, 336 Cold Stream Road, Kimberton, PA 19446
Tel: 800-486-1278 **Email:** techservices@henry.com
www.henry.com

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Application

Refer to the **Blueskin Metal Clad** details for depiction of installation in common wall conditions.

Surface Prep: Acceptable substrates include precast and cast-in place concrete, masonry, steel, aluminum, galvanized metal, exterior grade gypsum board, foil or coated-glass faced polyiso foam sheathing, OSB and plywood. All surfaces to receive this product must be dry, clean of oil, dust and excess mortar. Masonry: joints shall be free of voids and struck flush or tooled, mortar droppings shall be removed from ties and surfaces. Sheathing boards: shall be sound and fastened securely per sheathing manufacturer requirements. Concrete surfaces shall be smooth and without large voids, spalled areas or sharp protrusions. Concrete must be cured a minimum of 7 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 LT** require an application of **Henry Blueskin Adhesive, Henry 573 Blueskin LVC Spray Primer, Henry 574 Blueskin LVC Adhesive or Henry Aquatac™ Primer**, and allowed 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 of Henry adhesive/primer may vary by region.

Apply: Cut membrane to size, position, remove release film and press in place. Install membrane carefully to substrate avoiding wrinkles and bubbles. Install membrane tightly into inside corners and over outside corners without bridging or voids. Lap neighboring pieces of **Blueskin Metal Clad LT** a minimum of 2" (50mm). For walls with embedded or pre-applied brick ties, position membrane, press in place and cut and fit around ties. Press membrane field, edges, and laps firmly with a J roller to ensure good adhesion. Seal reverse laps, T joints, terminations, penetrations, cuts and other membrane interruptions with **Henry 925 BES Sealant** or **Henry Air-Bloc LF** as shown in **Henry's** architectural details. Tool and feather the sealants for continuity and water shedding.

Limitations: Do not allow adhesive side or edge of membrane to contact flexible PVC or any sealants or membranes except those approved by **Henry**. Do not install directly under exposed single-ply roof membrane. Do not install over un-supported gaps and spans exceeding ½" (12 mm). Wood substrates shall have moisture content below 20%. Keep edge of membrane back ½" (12 mm) minimum from finished surfaces. **Blueskin Metal Clad LT** becomes very sticky and difficult to work with at material temperature above 80°F (26.7°C). For warmer installation conditions, use **Blueskin Metal Clad.**

Product size/packaging

9" x 100' (22.8 cm x 30.5m), 2 per box
12" x 100' (30.5 cm x 30.5m), 2 per box
36" x 75' (91.4 cm x 22.9 m), 1 per box

Storage

Store rolls in original shipping containers until ready to use. Protect from precipitation, high humidity, high heat, and direct sunlight. Store below 80 ºF (26.7 °C).

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