TECHNICAL DATA SHEET

BlueskinVP™100

Self-Adhered Water Resistive Air Barrier Membrane

Physical Properties

-**Color**	Blue
-**Water Vapour Transmission** ASTM E96/A (Desiccant) WVT WVP	234 g/m² / 24 hours 33 Perms 1914 ng/Pa.m²·s
-**Average Dry Breaking Force** ASTM D 5034	55 / 245N MD 48 / 214N CD
-**Accelerated Aging** ICC-ES AC48 25 cycles	Pass
-**Cycling and Elongation** ICC-ES AC48 100 cycles at -20°F (-29°C)	Pass
-**Application Temperature** See Limitations	Minimum 40°F (5°C)
-**Service Temperature Range**	-40°F to +180°F (-40°C to +82°C)
-**Thickness** TAPPI T-410	Nominal 19 mils

-**Flame Spread Index** ASTM E 84	5, Class A
-**Smoke Developed** ASTM E 84	125, Class A
-**Air Permeance** ASTM E 2178 (Maximum 0.02 l/m² @ 75Pa or 0.004 cfm/ft² @ 1.57pcf)	Pass
-**Acceptance Criteria for Water Resistive Barriers** ICC – ES AC38	Pass
-**Low Temp Flexibility** ICC – ES AC38/3.3.4	Pass
-**Peel-adhesion to Unprimed Plywood** ICC-ES AC48 Control baseline After 7 day water immersion After accelerated aging After UV exposure	Pass 62 lbf/ft – 905N/m 54 lbf/ft – 786N/m 72 lbf/ft – 1049N/m 77 lbf/ft – 1125N/m
-**Water Penetration Resistance around Nails** AAMA 711-05 & modified ASTM D 1970	Pass

Compliance Standards

ESR-2975	**ICC** AC38	**CGSB** 51.32	**AAMA** 711-05

Packaging

-Roll Length	100 ft (30.48 m)	-Roll Width/color/sku	**48”** (1.22 m) Blue HE100GUSA940 **12”** (300mm) Blue HE100GUSA987 **9”** (225mm) Blue HE100GUSA984 **6”** (150mm) Blue HE100GUSA995 **4”** (100mm) Blue HE100GUSA994

Description

BlueskinVP™100 is residential and multi-family self-adhered vapor permeable, water resistive air barrier membrane consisting of an engineered film and patented, permeable adhesive technology with split-back poly-release film. **BlueskinVP™100** is fully adhered to the wall substrate in a ‘weatherboard’ method without mechanical attachment. Covered by US patent 6,901,712, Canadian patent 2,413,550.

Features

-Combines benefits of residential water resistive barrier with commercial air barrier
-Meets industry standards for water resistive barrier and commercial air barrier
-Sheds water while allowing vapor to pass through – allowing walls to drain and substrates to dry
-Creates a continuous plane of air-tightness – improving building thermal performance
-Fully adhered to substrates, eliminating water migration
-Easy to apply with common hand tools

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Uses

In residential and multi-family applications, **BlueskinVP™100** creates a water resistive barrier and air barrier when applied outside of the wall sheathing and behind the exterior wall cladding. Used for transitions, rough openings, fenestration and full-wall applications.

Storage

Store rolls on end, on original pallets or elevated platform. Protect from weather or store in an enclosed area not subject to heat over 120°F (49°C). In cold weather, it is recommended to warm rolls to 50°F (18°C) or above prior to application to assure adhesion to substrate.

Limitations

Membrane must be rolled after application to ensure adhesion to substrate and laps. Not designed for permanent exposure, protect installed membrane as soon as possible. Maximum exposure not to exceed 150 days. See Guide Specifications for further limitations. Excessive moisture in substrate or laps can inhibit adhesion. Do not expose the backside of the substrate to moisture or rain. Protect exposed back-up walls against wet weather conditions during and after application of membrane, including wall openings and construction activity above completed air barrier installation.

For installations under 40°F please contact your local Henry representative.

Surface Preparation

Acceptable substrates are plywood, OSB, wood, exterior-grade gypsum sheathing board such as DensGlass®, precast or cast-in-place concrete, concrete block, steel, aluminum and galvanized metal. All surfaces to receive **BlueskinVP™100** must be dry and clean of oil, dust, frost, bulk water and other contaminates that would be detrimental to adhesion of membrane. Strike masonry joints full-flush. Concrete surfaces must be smooth and without large voids, spalled areas or sharp protrusions. Concrete must be cured a minimum of 14 days. Curing compounds and release agents used in concrete construction must be resin based without oil or wax.

Approved adhesive-primers include **Blueskin® Adhesive**, **Blueskin® LVC Adhesive**, or **Aquatac Primer**. Aerosol **Blueskin® Spray-Prep** is not recommended with this product.

Conditions not typically requiring adhesive-primers:

- Application above 40°F (5°C) to clean & dry wood and sheathing boards such as: plywood and OSB. Ensure substrate and membrane temperatures are above 40°F (5°C)

Conditions requiring use of adhesive-primers:

- Metal, DensGlass® products, exterior grade gypsum board, Concrete, CMU and other masonry substrates

Note: if appropriate adhesion is not obtained due to conditions beyond the control of the installer, the adhesion can be aided by continuous application of adhesive-primer to the substrate and laps as per published **BlueskinVP™** Installation Guidelines. Ensure all primed surfaces are covered in the same day.

Application

Refer to **BlueskinVP™100** Guide Specification for detailed application information, see **www.henry.com** website. **BlueskinVP™100** must be installed in a consecutive weatherboard method starting at bottom or base of wall and working up; providing minimum of 2" (5cm) side laps and 3" (7.6cm) end laps. Cut to manageable lengths, position membrane for alignment, remove protective poly-film and firmly apply pressure to assure adhesion. Eliminate all fishmouths, wrinkles or gaps, roll entire membrane surface (including seams) with a counter top or "J-roller" with adequate pressure [+5lbs] to ensure full contact and adhesion. Seal membrane terminations, heads of mechanical fasteners, masonry tie fasteners, around penetrations, duct work, electrical and other apparatus extending through the **BlueskinVP™100** water resistive air barrier membrane and around the perimeter edge of membrane terminations at window and door frames with **HE925 BES Sealant**.

Cover rough openings and transitions with **BlueskinVP™100** per Henry® details. Fenestration (window and doors) must be flashed per window/door manufacturers' recommendation, local building code requirements, ASTM 2112 and AAMA guidelines. Use pre-cut rolls of **Blueskin® WB, Blueskin® SA** or **SALT** for sill pan flashings per Henry published window flashing guidelines. For application of **Blueskin® WB**, **Blueskin® SA** or **SALT** over **BlueskinVP™**, the surface of **BlueskinVP™** must be primed.
Insulation clips and brick-ties should be mechanically fastened through the membrane into solid backing and sealed with **Henry HE925 BES Sealant**.

Limited Warranty

Product Warranty:
We, the manufacturer, warranty only that this product is free of defects, since many factors which affect the results obtained from this product - such as weather, workmanship, equipment utilized and prior condition of the substrate - are all beyond our control. We will replace at no charge any product proved to be defective within 12 months of purchase, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided. DISCLAIMER OF WARRANTIES: The Limited Warranty is IN LIEU OF any other warranties express or implied including but not limited to any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, and we, the manufacturer, shall have no further liability of any kind including liability for consequential or incidental damages resulting from any defects or any delays caused by replacement or otherwise.

Assembly Warranty:
Assembly warranties are available for job specific applications when applied per Henry published systems guidelines found on www.henry.com or www.bakor.com. For application for extended warranties up to 10 years contact Henry Warranty Administration Department at Warranty@henry.com

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