

Physical Properties

-Color	Blue	-Flame Spread Index ASTM E 84	5, Class A
-Water Vapour Transmission	234 g/m ² / 24 hours	-Smoke Developed ASTM E 84	125, Class A
-Water Vapour Permeance ASTM E96, Method A	1914 ng/Pa.m ² .s (33 Perms)	-Air Permeance ASTM E 2178 Maximum 0.02 l/m ² @ 75 Pa (0.004 cfm/ft ² @ 1.57 pcf)	Pass
-Average Dry Breaking Force ASTM D 5034	245 N (55 lbf) MD 214 N (48 lbf) CD	-Acceptance Criteria for Water-Resistive Barriers ICC – ES AC38	Pass
-Accelerated Aging ICC-ES AC48 25 cycles	Pass	-Low Temp Flexibility ICC – ES AC38/3.3.4	Pass
-Cycling and Elongation ICC-ES AC48 100 cycles at -20°F (-29°C)	Pass	-Peel-adhesion to Unprimed Plywood ICC-ES AC48 Control baseline After 7 day water immersion After accelerated aging After UV exposure	Pass 905 N/m (62 lbf/ft) 786 N/m (54 lbf/ft) 1049 N/m (72 lbf/ft) 1125 N/m (77 lbf/ft)
-Application Temperature See Limitations & Surface Prep.	-5°C (40°F)	-Nail Sealability AAMA 711-05, ASTM D 1970 mod	Pass
-Service Temperature Range	-40°C to +82°C (-40°F to +180°F)		
-Thickness TAPPI T-410	Nominal 19 mils		

Compliance Standards

ICC-ES ESR-2975	ICC AC38	CGSB 51.32	AAMA 711-05	ASTM E331
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Packaging

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

Description

Blueskin® VP100 is a residential and multi-family self-adhered vapour permeable, water resistive air barrier membrane consisting of an engineered film and a patented, permeable adhesive technology with split-back poly-release film. **Blueskin® VP100** is fully adhered to the wall substrate in a 'weatherboard' method without mechanical attachment. Covered by Canadian patent 2,413,550; US patent 6,901,712.

Features

- Brings commercial air barrier technology and expertise to residential construction
- Meets and exceeds industry standards for water-resistive barrier
- Sheds water while allowing vapour 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

Uses

Designed for residential and wood-framed multi-family applications, **Blueskin® VP100** 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 original pallets or elevated platform. Protect from weather or store in an enclosed area not subject to heat over 49°C (120°F). In cold weather, it is recommended to warm rolls to 18°C (50°F) or above prior to application to assure best 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 or result in loss of adhesion prior to installation of cladding. 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 less than 5°C (40°F), an approved Henry primer as listed below in Surface Preparation section is always required for all substrates. For more information, please review the Henry BlueskinVP® Cold Weather Application Tech-Talk which is available on the Henry website or 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 **Blueskin® VP100** must be dry and clean of oil, dust, frost, bulk water and other contaminants 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, Hi-Tac™** or **Aquatac Primer**. In addition, **Blueskin® Spray Prep Primer** can be used with light coats that are allowed to dry fully prior to covering.

Conditions not typically requiring adhesive-primers:

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

Conditions requiring use of adhesive-primers:

- Metal, DensGlass® products, exterior grade gypsum board, Concrete, CMU and other masonry substrates. Application at or below 5°C (40°F) requires primer for all substrates including OSB and plywood.

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 **Blueskin® VP100** Guide Specification for detailed application information at www.ca.henry.com website. **Blueskin® VP100** must be installed in a consecutive weatherboard method starting at bottom or base of wall and working up; providing minimum of 5cm (2-in) side laps and 7.6cm (3-in) end laps. Cut to manageable lengths, position membrane for alignment, remove protective poly-film using split release 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 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 **Blueskin® VP100** water-resistive air barrier membrane and around the perimeter edge of membrane terminations at window and door frames with a feathered edge of **Henry 925 BES Sealant** or **Henry® Kop-R-Lastic**. Insulation clips and brick-ties should be mechanically fastened through the membrane into solid backing and sealed with **Henry 925 BES Sealant** or **Henry® Kop-R-Lastic**.

Cover rough openings and transitions with **Blueskin® VP100** per Guide Specification details. Fenestrations (window and doors) must be flashed per window/door manufacturers' recommendations, local building code requirements, ASTM 2112 and AAMA guidelines. Use pre-cut rolls of **Blueskin® WB** or **Butyl Flash** for sill pan flashings or other approved Henry flashing products per Henry published window flashing guidelines.

Varied installation methods such as vertical application of **Blueskin® VP100** and "Method B" flashing installation for integral flanged windows are acceptable as long as the appropriate lap dimensions are maintained and the laps are installed in a sequential overlapping weatherboard method where applicable. Refer to **Blueskin® VP100** Installation Guidelines for detailed instructions.

Limited Warranty

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, the manufacturer, warrant only that we will replace, at no charge, any product proved to have a material defect in original manufacturing within 12-months of purchase, provided the product 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 AND LIMITATION OF LIABILITY:** THIS LIMITED WARRANTY IS IN LIEU OF ANY OTHER CONDITIONS OR WARRANTIES EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED CONDITION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NO ONE, INCLUDING THE MANUFACTURER, SHALL HAVE ANY LIABILITY OF ANY KIND, INCLUDING FOR NEGLIGENCE OR FOR DIRECT, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, RESULTING FROM ANY MISUSE, DEFECTS, ANY DELAYS CAUSED BY REPLACEMENT, OR OTHERWISE BEYOND PRODUCT REPLACEMENT. IF PURCHASER DOES NOT ACCEPT THESE TERMS, PURCHASER MAY RETURN ALL CONTAINERS OR PACKAGES OR PRODUCT PURCHASED FOR A FULL REFUND (PROVIDED THE CONTAINERS OR PACKAGING IS UNOPENED AND LESS SHIPPING CHARGES IF ANY) WITHIN 30-DAYS OF PURCHASE. RETENTION OF PRODUCT BEYOND 30-DAYS OR USE OF PRODUCT SHALL CONSTITUTE ACCEPTANCE OF THESE TERMS, CONDITIONS, AND DISCLAIMERS. THIS LIMITED WARRANTY AND LIABILITY DISCLAIMER PROVIDES THE PURCHASER'S EXCLUSIVE REMEDY, FROM ANYONE, FOR ANYTHING RELATED TO THE PRODUCT. To the extent that any part of this LIMITED PRODUCT WARRANTY AND LIABILITY DISCLAIMER is determined unenforceable under the law of the place of purchase of the product, that part is severed and the remainder of these terms remain in full force and effect. To the extent permitted by law, the duration of any implied conditions or warranties is limited to the duration of Henry's express warranty. For further details of Henry's product warranty, see our website at www.henry.com/warranty.

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