

### Physical Properties

<b>-Color</b>	Blue	<b>-Fire Testing</b>	Complies with NFPA 285 in various wall assemblies
<b>-Water Vapour Transmission</b> ASTM E96/A (Desiccant) Membrane	202 g/m <sup>2</sup> /24 hours 1658 ng/Pa.m <sup>2</sup> .s (29 Perms)	<b>-Flame Spread Index</b> ASTM E 84	0, Class A
Membrane + primer + DensGlass® sheathing	1030 ng/Pa.m <sup>2</sup> .s (18 Perms)	<b>-Smoke Developed</b> ASTM E 84	105, Class A
<b>-Dry Tensile Strength</b> ASTM D 882	182 N (41 lbf) MD 129 N (29 lbf) CD	<b>-Air Permeance</b> ASTM E 2178 Maximum 0.02 l/s.m <sup>2</sup> @ 75 Pa (0.004 cfm/ft <sup>2</sup> @ 1.57 psf)	Pass ASTM E 2357 - assembly
<b>-Average Dry Breaking Force</b> ASTM D 5034	565 N (127 lbf) MD 405 N (91 lbf) CD	<b>-Criteria for Water Resistive Barriers</b> ICC – ES AC38	Pass
<b>-Accelerated Aging</b> ICC-ES AC48 25 cycles	Pass	<b>-Low Temp Flexibility</b> ICC – ES AC38/3.3.4	Pass
<b>-Cycling and Elongation</b> ICC-ES AC48 100 cycles at -29°C (-20°F)	Pass	<b>-Peel-adhesion to Unprimed Plywood</b> ICC AC38/AAMA 711-05 Control baseline	Pass
<b>-Application Temperature</b> See Limitations	Minimum -7°C (20°F)	After 7 day water immersion	Pass
<b>-Service Temperature Range</b>	-40°C to +82°C (-40°F to +180°F)	After accelerated aging	Pass
<b>-Thickness</b> TAPPI T-410	Nominal 23 mils	After UV exposure	Pass
		<b>-Nail Sealability</b> AAMA 711-05, ASTM D 1970 mod.	Pass

### Compliance Standards

ICC-ES ESR-2975	CGSB 51.32	AAMA 711-05	NFPA 285
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### Packaging

-Roll Length	30.48 m (100 ft)	-Roll	<b>1.22 m</b> (48 in) Blue HE160GUSA941
		Width/color/sku	<b>300 mm</b> (12 in) Blue HE160GUSA988
			<b>225 mm</b> (9 in) Blue HE160GUSA986
			<b>150 mm</b> (6 in) Blue HE160GUSA971
			<b>100 mm</b> (4 in) Blue HE160GUSA974

### Description

**BlueskinVP® 160** is a 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. **BlueskinVP® 160** is fully adhered to the wall substrates in a 'weatherboard' method without mechanical attachment. Covered by: US patent 6,901,712, Canadian patent 2,413,550.

### Features

- Meets highest industry standards for commercial air barriers & assemblies
- 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

## Uses

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Designed for commercial construction applications, **BlueskinVP® 160** 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. **BlueskinVP® 160** may also be used as a transition membrane with Air-Bloc 31 or Air-Bloc 33 systems.

## Storage

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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 adhesion to substrate.

## Limitations

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**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 membrane laps can inhibit initial 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 4°C (40°F) 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

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Acceptable substrates are exterior-grade gypsum sheathing board such as DensGlass®, LP® FlameBlock®, plywood, OSB, precast or cast-in-place concrete, concrete block, steel, aluminum and galvanized metal. All surfaces to receive **BlueskinVP® 160** 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.

All surfaces to receive **BlueskinVP® 160** require an application of approved adhesive-primer, applied by lamb's wool roller, brush or spray at the appropriate rate depending on porosity and texture of surface and allowed to dry as required by the adhesive-primer before **BlueskinVP® 160** is applied. Ensure that all surfaces receive **BlueskinVP® 160** in the same day.

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.

## Application

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Refer to **BlueskinVP® 160** Guide Specification for detailed application information, see [www.henry.com](http://www.henry.com) website. **BlueskinVP® 160** must be installed in a consecutive weatherboard method starting at bottom or base of wall and working up; providing minimum of 5cm (2") side laps and 7.6cm (3") end laps. Cut to manageable lengths, position membrane for alignment, remove protective poly-film and firmly apply pressure to assure adhesion. Eliminate fish-mouths, wrinkles or gaps and 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 **BlueskinVP® 160** water resistive air barrier membrane and around the perimeter edge of membrane terminations at window and door frames with **Henry Kop-R-Lastic or HE925 BES Sealant.**

Cover rough openings and transitions with **BlueskinVP® 160** 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® SA** or **SALT** for sill pan flashings per **Henry** published window flashing guidelines. For application of 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 Kop-R-Lastic or HE925 BES Sealant.**

## Limited Warranty

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### 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](http://www.henry.com) or [www.bakor.com](http://www.bakor.com). For application for extended warranties up to 12 years contact Henry Warranty Administration Department at [Warranty@henry.com](mailto:Warranty@henry.com)

## STATEMENT OF RESPONSIBILITY

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The technical and application information herein is based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use. Henry Company data sheets are updated on a regular basis; it is the user's responsibility to obtain and to confirm the most recent version. Information contained in this data sheet may change without notice. This technical data sheet and the information herein are only applicable in Canada.