TECHNICAL DATA SHEET

BlueskinVP™160

Self-Adhered Water Resistive Air Barrier Membrane

Physical Properties

-Color	Blue
-Water Vapour Transmission ASTM E96/A (Desiccant)	202 g/m² / 24 hours
WVT -membrane	29 Perms
WVP –membrane	1658 ng/Pa.m²·s
WVT –membrane + primer + DensGlass® sheathing	18 Perms
-Dry Tensile Strength ASTM D 882	41 / 182N MD 29 lbf / 129N CD
-Average Dry Breaking Force ASTM D 5034	127 / 565N MD 91 lbf / 405N 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 20°F (-7°C)
-Service Temperature Range	-40°F to +180°F (-40°C to +82°C)
-Thickness TAPPI T-410	Nominal 23 mils
-Nail Sealability ASTM D 1970	Pass

-Fire Testing	Complies with NFPA 285 in various wall assemblies
-Flame Spread Index ASTM E 84	0.0 Class A
-Smoke Developed ASTM E 84	105 Class A
-Air Permeance	
ASTM E 2178 (Maximum 0.02 l/m² @ 75Pa or 0.004 cfm/ft² @ 1.57psf)	Pass
ASTM E 2357 - assembly	Pass
-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 AC38/AAMA 711-05	
Control baseline	Pass
After 7 day water immersion	Pass
After accelerated aging	Pass
After UV exposure	Pass
-Water Penetration Resistance around Nails AAMA 711-05 & modified ASTM D 1970	Pass

Compliance Standards

ICC AC38, AC188	**CGSB** 51.32	**AAMA** 711-05	**NFPA** 285

Packaging

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

Description

BlueskinVP™160 is a self-adhered vapor 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 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

Henry Company: 999 N. Sepulveda, Ste. 800 El Segundo CA 90245
Tel: 800-486-1278 **Email:** techservices@henry.com
www.henry.com

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Uses

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

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 less than 40°F (4°C), an approved Henry® primer as listed below in the 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 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 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.

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.

Note: Generally, priming wood substrates that are clean, dry and over 40°F is not required if **BlueskinVP™160** has good adhesion and is to be covered immediately. If appropriate adhesion is not obtained due to conditions beyond the control of the installer or **BlueskinVP™160** is expected to be exposed beyond 48hrs, then the application of adhesive-primer will be required to the substrate as required above. Provisions for the use of full coverage adhesive-primer should always be included in construction bids.

Approved adhesive-primers include **Blueskin® Adhesive**, **Blueskin® LVC Adhesive,** or **Aquatac™ Primer**.

Application

Refer to BlueskinVP™160 Guide Specification for detailed application information, see 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 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 fish-mouths, wrinkles or gaps and 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™160** 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™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 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 12 years contact Henry Warranty Administration Department at Warranty@henry.com

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