TECHNICAL DATA SHEET

BlueskinVP™ 160

Self-Adhered Water Resistive Air Barrier Membrane

Physical Properties

-Color	Blue
-Weight Basis TAPPI T-410	160 g/m²
-Water Vapor Transmission ASTM E96/B (Dessicant) WVT WVP	202 g/m² / 24 hours 29 Perms 1658 ng/Pa.m²·s
-Dry Tensile Strength ASTM D 828	41 lbf / 182N MD 29 lbf / 129N CD
-Average Dry Breaking Force ASTM D 5034	127 lbf / 565N MD 91 lbf / 405N CD
-Accelerated Aging ICC-ES AC 48 25 cycles	Pass
-Cycling and Elongation ICC-ES AC48 100 cycles at -20°F (-29°C)	Pass
-Application Temperature	Minimum 40°F (5°C)

-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 @ 1.57pcf) ASTM E 2357 - assembly	 Pass Pass
-Criteria for Water Resistive Barriers ICC – ES AC 38	Pass
-Low Temp Flexibility ICC – 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 & ASTM D 1970 modified	Pass

Packaging

-Roll Length	100 ft (30.48 m)	-Roll Width/color/sku	**60”** (1.52 m) Blue HE160GUSA982 **24”** (600mm) Blue HE160GUSA963 **12”** (300mm) Blue HE160GUSA988

Description

BlueskinVP™160 is a water resistive, vapor permeable, air barrier membrane consisting of a tri-laminate of modified polyolefin with two layers of non-woven polyethylene designed for full wall applications. Bonded with a patented, permeable adhesive layer and split-back poly-release film, **BlueskinVP™160** is fully adhered to the wall substrate in a ‘weatherboard’ method without mechanical attachment.

Features

-Combines benefits of water resistive barrier with commercial air barrier
-Meets ASTM E 2357 & E 2178 standards for commercial air barrier products & assemblies
-Meets requirements of ICC-ES AC 38 standard for water resistive barriers
-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
-Prevents uncontrolled air leakage – saving energy and HVAC costs
-Easy to install with common hand tools

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REV: 08/13/09

Uses

BlueskinVP™160 creates a water resistive barrier and air barrier when applied outside of the wall sheathing and behind the exterior cladding.

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, warm to 40°F or above (5°C) prior to application to assure adhesion to substrate.

Limitations

Membrane must be rolled after application to ensure adhesion to substrate. Not designed for permanent exposure, protect installed membrane as soon as possible. Maximum exposure not to exceed 90 days. See Guide Specifications for further limitations. 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.

Surface Preparation

Acceptable substrates are Dens-Glass Gold®, exterior-grade gypsum board, plywood, OSB, precast or cast-in-place concrete, concrete block, steel, aluminum and galvanized metal. All surfaces to receive **BlueskinVP™160** must be 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 and must be dry before primer is applied. Curing compounds and release agents used in concrete construction must be resin based without oil or wax.

A primer is not typically required to achieve appropriate adhesion on clean sheathing boards. Pre-cast and concrete block substrates require priming. If appropriate adhesion is not obtained due to surface conditions beyond the control of the installer, the adhesion of **BlueskinVP™160** can be aided by the application of a light, intermittent application of **HENRY Spray Prep** aerosol or **Blueskin Adhesive** to the substrate. Allow to dry to a tacky film. Ensure that all primed surfaces are covered in the same day.

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 all wrinkles or gaps, roll entire membrane surface (including seams) with a counter top or "J-roller" 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**.

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 **BlueskinVP™** Window & Door Flashing for jamb and head details, and pre-cut rolls of **Blueskin® SA** or **LT** for sill pan flashings per Henry published window flashing guidelines.

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.bakor.com. For application for extended warranties up to 12 years contact Henry Warranty Administration Department at WarrantyAdmin@henry.com

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