



1. Product Name

RevealShield SA™ Self-Adhered
Water Resistive Vapor Permeable
Air Barrier Sheet Membrane
(RevealShield SA™)

2. Manufacturer

VaproShield, LLC.
915 26th Avenue, NW #C5
Gig Harbor, WA 98335
Tel: (866) 731-7663 USA / (866) 871-8263 Canada
Fax: (253) 858-3297
Email: info@vaproshield.com or info@vaproshield.ca
Web: www.vaproshield.com or www.vaproshield.ca

3. Product Description

BASIC USE AND APPLICATIONS

RevealShield SA is a fully self-adhered water resistive and air barrier sheet membrane used above grade, behind rain screen open joint wall cladding assemblies.

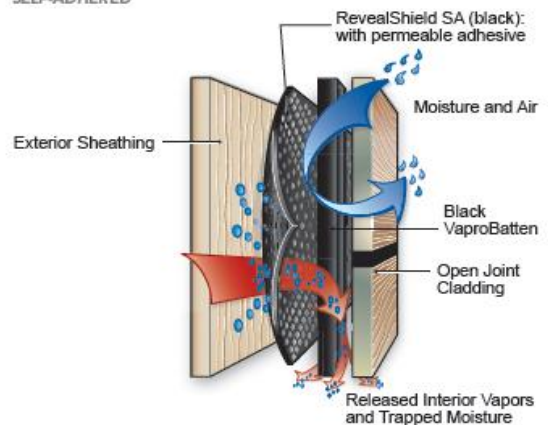
BENEFITS

RevealShield SA is specifically designed for open joint rain screen wall cladding systems, where permanent UV exposure is inherent. With a vapor permeance of over 40 perms and an air leakage rate of 0.00001 L/s/m²@ 75 Pa, RevealShield SA™ protects against water intrusion and prevents air leakage, allowing the wall assembly to breathe or 'dry-out', as necessary to meet the conditions of seasonal changes for each climate zone. The combined water and air protection along with breathable membrane attributes help to ensure good indoor air quality by reducing conditions conducive to mold, mildew, lumber distortion and metal corrosion.

RevealShield SA is a single layer sheet membrane that fully bonds to almost any substrate, does not require the use of primers, emits no VOC's, and does not require special equipment for installation. Cladding open Joints can be up to 1 1/2" and up to 40% of the total elevation area.

RevealShield SA keeps construction schedules moving and labor costs down as it can be installed either horizontally or vertically in extreme temperatures of 20° F (-6° C) and rising.

REVEAL SHIELD SA™ UNSURPASSED IN PERFORMANCE SELF-ADHERED



RevealShield SA Self-Adhered, UV stable membrane for open joint cladding construction.

RevealShield SA is a zero VOC fully self-adhered membrane consisting of multiple layers of UV stabilized proprietary material that can remain exposed under open joint cladding systems and is available with a 20 Year Product Warranty when installed per VaproShield installation instructions.

MATERIAL

SIZE: 59 inches by 102 feet roll (1.5m by 31.1m)
COLOR: Black

MULTIPLE SUBSTRATE COMPATIBILITY:

- Exterior Gypsum Sheathing (all major brands)
- Most Rigid Insulation
- Precast Concrete
- Concrete Block
- Cast-in-place Concrete
- Plywood
- Pre-painted Steel
- Galvanized Metal
- Aluminum (Painted/Mill)
- Anodized Aluminum
- Vinyl Window and Door Frames
- Fiberglass Window and Door Frames

4. Technical Data

Tested in accordance with ICC-ES AC 38 criteria to meet IBC and IRC requirements for Water Resistive Barriers. Approved by ABAA to meet requirements for Air Barriers.

SUSTAINABLE DESIGN BENEFITS

RevealShield SA is highly UV resistant: It can remain exposed for up to 180 DAYS prior to installation of cladding system, although VaproShield BEST PRACTICES recommend covering with cladding as soon as possible.

Testing Data Highlights:

Property	Test/Standard	Result
Air Barrier Testing		
Air Permeance Of Building Materials	ASTM 2178	PASS (ABAA approved material and assembly)
Air Barrier System Test	ASTM E 2357	PASS (ABAA approved material and assembly)
Elongation Strength		
Elongation Strength	ASTM D 5034	PASS
Water Resistance (control and weathered specimens)	AATCC 127 (55cm Hydrostatic Head of Water for 5 hours)	No leakage noted on control or weathered Samples PASS
Water Vapor Transmission	ASTM E96 (Method B)	254.6 g/m ² 24 hrs 41 Perms
Flamespread Index	ASTM E-84	0-Class A PASS
Smoke Development Index	ASTM E-84	75-Class A PASS
UV Stability	AC38 Section 4.1.2	PASS
Service Temperature		-40°F to 250°F
Application Temperature		20°F and rising

RELATED LEED CREDITS

RevealShield SA contributes to Environmental Quality (“EQ”) credit 4.1: Low-Emitting Materials: Adhesives & Sealants, under United States Green

Building Council’s Rating System for New Construction and Major Renovations (LEED-NC), version 2.2, core and shell (LEED-CS), version 2.0.

5. Installation

PREPARATION

- All surfaces must be dry, sound, clean and free of oil, grease, dirt, excess mortar or other contaminants detrimental to the adhesion of the water resistive air barrier membrane and flashings. Fill voids and gaps in substrate greater than ¼ inch in width to provide an even surface. Strike masonry joints full-flush.
- **RevealShield SA** Self-Adhered membrane requires a drainage cavity or rain screen system to be incorporated into all WRB/AB installations. Black VaproBatens™ accomplish this and are available as a corresponding accessory.
- Use VaproLiqui-Flash™ vapor permeable water resistive flashing for window and door rough openings.
- Self-adhered air barrier transition and flashing membrane shall be VaproFlashing SA™ Self-Adhered, a zero VOC self-adhered water-resistive vapor permeable membrane.
- See www.VaproShield.com for complete installation instructions and installation instructional videos.

STORAGE AND HANDLING

Store material rolls on end in original packaging. Protect rolls from direct sunlight and inclement weather until ready for use.

LIMITATIONS

- **RevealShield SA** should be covered within 180 days of installation.
- Minimum recommended application temperature for self-adhered membrane and flashings to be above 20 degrees F (minus 6 degrees C).
- **RevealShield SA** membrane should not be subjected to asphaltic materials, chemicals, surfactants, or cleaning compounds that could affect the water resistance of the fabric surface. If exposed, replace affected material.
- Open joint spacing not to exceed 2” with maximum open area not to exceed 40% of total elevation area of open joint cladding.

6. Availability

VaproShield products are available throughout North America, Central and South America.

7. Warranty

A 20 Year Product Warranty is available.