

## THE VAPROSHIELD SYSTEMS APPROACH

VaproShield promotes a systems approach to building envelope design, incorporating Breathable Membranes, Rain Screen Design Components and 3D Window and Flashing Elements, resulting in High Performance Building Envelope Solutions.

Complete System of Breathable Membranes	+	Rain Screen Design Components	+	3D Window Flashing Elements	=	High Performance Building Envelope Solutions
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RevealShield combines the best properties of a water resistive highly vapor permeable air barrier and black UV stable sheet membrane into one affordable product for open joint cladding systems.

With a rating of 41 perms, single layer installation and a 20 year warranty, RevealShield saves labor, time and reduces material expense.

### Open Joint Applications

- Install a single layer of RevealShield Water Resistive Vapor Permeable Air Barrier Membrane to create the desired black open joint.
- Enhanced design opportunities with open joints up to 2" wide with a maximum of 40% total open wall area.

### Cost Effectiveness

- Single layer material application and integrated tape at horizontal seams reduces installation time and material expense.
- Tear, rip and puncture resistant during and after construction, reducing the need for repairs and additional labor costs.

### Air Barrier System

- Meets all relevant international and local code requirements pertaining to Air Barrier Membranes.
- Creating an air barrier behind open joint cladding is greatly simplified by RevealShield's Integrated Tape at horizontal seams.

### Drying Capacity

- Allows building materials to dry out while keeping bulk water from infiltrating the building envelope.
- Helps to maintain conditions to counteract mold and mildew growth, promoting healthy buildings and clean indoor air quality.

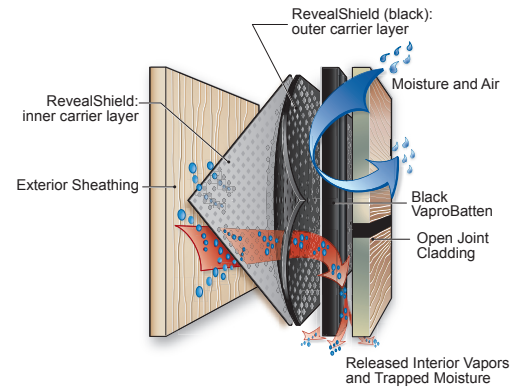
### Durability and Performance

- Withstands extreme weather conditions. The Integrated Tape allows installation in a wide range of weather conditions from below freezing to extremely hot temperatures.
- Sustains 180 days UV and climate exposure, prior to cladding installation.

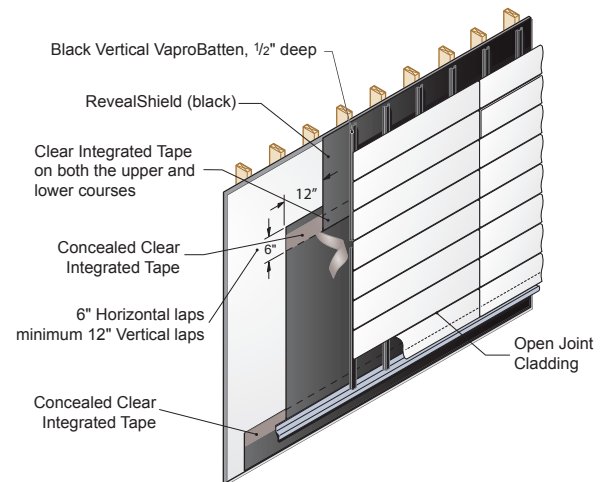
### Environmental Sustainability and Energy Efficiency

- Contributes to LEED points in Indoor Environmental Quality and Energy & Atmosphere.
- Combined with an overall energy efficiency strategy, VaproShield's Air Barrier Systems can help to reduce energy consumption.

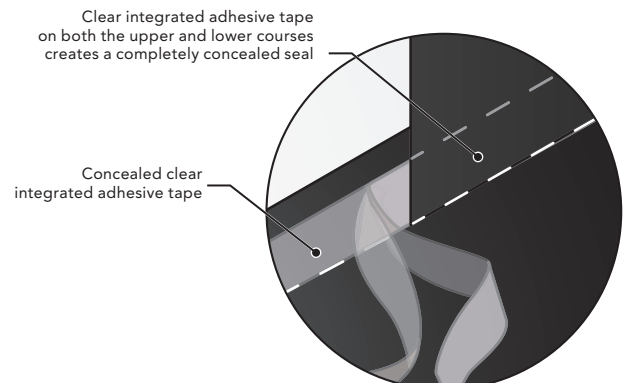
## REVEALSHIELD™ UNSURPASSED IN PERFORMANCE



*RevealShield, UV stable membrane for open joint cladding, membrane construction.*



*Apply a single layer of RevealShield Water Resistive Vapor Permeable Air Barrier Membrane to create the desired black open joint.*



*Clear Integrated Tape protected by the 6" horizontal lap allows easy installation in all weather conditions.*

## REVEALSHIELD<sup>™</sup> with Integrated Tape TESTING

Acceptance Criteria for Weather Resistive Barriers ICC-ES AC 38

PROPERTY	STANDARD/TEST	RESULT
<b>PRODUCT TESTING</b>		
Air Permeance of Building Materials	ASTM 2178 (required for Air Barrier Association of America criteria)	0.0002 L/s/m <sup>2</sup> <b>PASS</b>
Air Leakage through Wall Systems	ASTM E-283	0.00017 L/s/m <sup>2</sup> 0.000034 cfm/ft <sup>2</sup> <b>PASS</b>
Air Retarder Materials & Systems	ASTM E-1677	Type 1 Air Barrier <b>PASS</b>
Tensile Strength	ASTM D828	MD - 39 lbf/inch XMD - 21.3 lbf/inch <b>PASS</b>
Water Resistance (control and weathered specimens)	AATCC 127 (55cm hydrostatic head of water for 5 hrs)	No leakage noted on control or weathered samples <b>PASS</b>
Water Vapor Transmission	ASTM E96* (Method B)	262.6 g/m <sup>2</sup> 24hrs 41.4 Perms <b>PASS</b>
Wall Assembly Fire Test	NFPA 285	<b>PASS</b> with diverse assemblies**
Flamespread Index	ASTM E-84	10 – Class A <b>PASS</b>
Smoke Development Index	ASTM E-84	135 – Class A <b>PASS</b>
UV Stability	AC 38 Section 4.1.2	<b>PASS</b>

Tested in accordance with ICC-ES AC 38 criteria to meet IBC and IRC requirements for Weather Resistive Barriers.

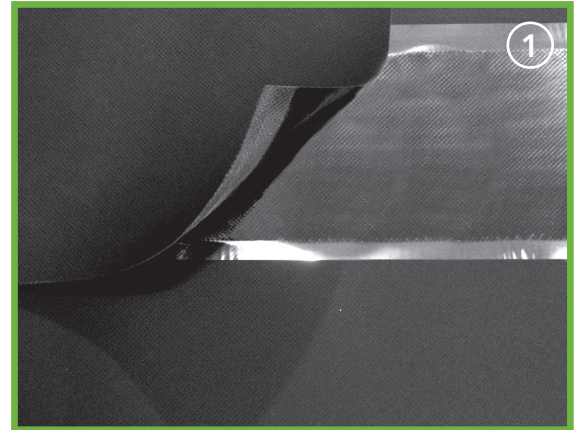
\*ASTM E 96 - Method B (wet cup method) typically gives a more realistic result for permeance for highly permeable products than does the Method A (dry cup/desiccant method).

\*\*Contact the VaproShield Technical Team to learn more about NFPA compliance and testing.

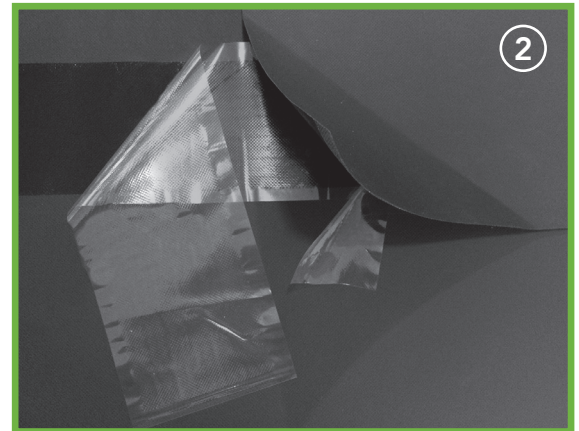


For a complete set of installation instructions and details visit [www.VaproShield.com](http://www.VaproShield.com)

RevealShield Water Resistive Vapor Permeable Air Barrier Membrane features Integrated Tape and 6" Horizontal Overlap



Easily create the necessary shingled effect.



Tape seals horizontal seams in all weather conditions.



Eliminates water concerns at horizontal joints.