

## ELEVATION AWARD WINNER

October 2017

*VaproShield Honored by Durability + Design Magazine with Elevation Award for Air Barrier and Moisture Management*



Pat Penza, far left, accepts the award during a breakfast reception on September 14th at the Lippitt House Museum during CONSTRUCT 2017, in Providence, Rhode Island.

Radius at the Banks, a VaproShield project in Cincinnati, Ohio, has received the 2017 Elevation Award for 'Air Barrier and Moisture Management' by Durability + Design magazine. This unique award recognizes exceptional air barrier and moisture management systems that excel in design and installation detailing.



## HAVE A QUESTION? WANT A SAMPLE?

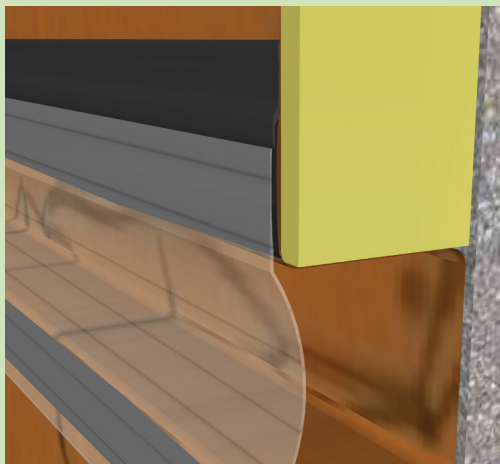
We are here to make your WRB/Air Barrier installation more cost effective, simpler and less dependent on weather constraints. Visit [vaproshield.com/home/newsletter-sign-up](http://vaproshield.com/home/newsletter-sign-up) to join our mailing list.

## NEW PRODUCT: VAPROSILICONE TRANSITION MATERIALS

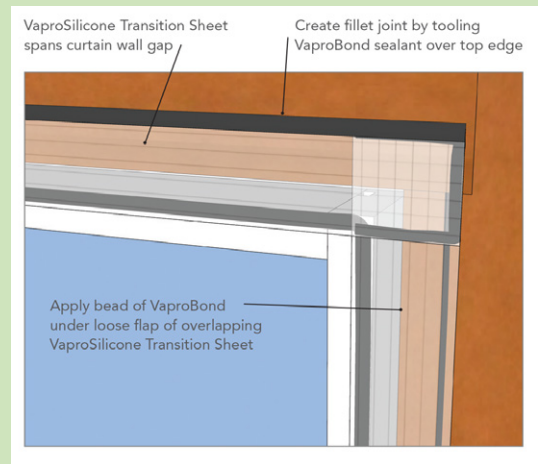
VaproSilicone Transition Materials (sheet and corners) are 100% silicone specifically designed to provide a water and air tight transition of WRB/Air Barrier membranes for areas requiring high movement capabilities.

- 100% translucent silicone elastomer sheet
- Extremely durable and tear resistant
- High movement capacity
- Provides air and water tight seal

### Typical Uses



**Floor Line Movement Joint**-use a combination of **VaproBond** sealant and **VaproSilicone Transition Sheet** between floors to accommodate floor line movement joints.



**Curtain Wall Movement Joint** -**VaproSilicone Transition Materials** create a continuous seal, without reverse laps, to accommodate natural building movement.

### Details - View, print and download on [vaprosshield.com](http://vaprosshield.com)

**VAPROSHIELD®** VaproSilicone Transition Floor Line Movement Joint

VaproBond sealant fillet joint created by tooling VaproBond over top edge of VaproSilicone Transition to seal reverse lap

VaproSilicone Transition Strip installed over 1/4" - 3/8" inch (6.4 - 9.5 mm) bead of VaproBond, pressed with roller to disperse VaproBond and create seal at top and bottom edges

<b>VaproSilicone Transition® Materials</b> <b>WRAPSHIELD SA®</b> <b>SELF-ADHERED</b> <b>VAPROBOND™</b>	<b>PRODUCT DESCRIPTION</b> VaproSilicone Transition is a 100% silicone elastomer designed to provide a water and air tight transition of WRB/Air Barrier membranes for exterior walls, curtain walls, store fronts and window transitions. VaproBond™ is a single component 100% silicone adhesive sealant.	<b>DISCLAIMER</b> These materials are intended to be used in conjunction with other building envelope components. VaproShield® is not responsible for the performance of the building envelope system when used in conjunction with other building envelope components.
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**VaproSilicone Transition Materials Curtain Wall Movement Joint with Corners**

**VAPROSHIELD®** VaproSilicone Transition Curtain Wall Movement Joint Step 15

VaproBond beaded over reverse lip to create fillet joint

1/4" - 3/8" inch (6.4 - 9.5 mm) bead of VaproBond applied and beaded over entire seams, extending onto curtain wall

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**VaproSilicone Transition Sheet Floor Line Movement Joint**

## RIBBIT TIDBITS NEW TECH BULLETIN

### Fastener Penetrations Tech Bulletin

VaproShield's Tech Team has released a new Tech Bulletin to clarify questions and issues regarding fastener penetrations.

The Tech Bulletin features:

- Why the term 'self-sealing' is misleading
- Shortcomings of competitive testing
- VaproShield Best Practices for fastener penetrations

To view more, refer to the Technical Bulletins web page at [vaprosshield.com](http://vaprosshield.com).



**VAPROSHIELD®**  
Breathable Membrane Systems for Roofs & Walls

Technical Bulletin  
No: 002-2017 - Issued: 08/17/17  
**Fastener Penetrations**  
through VaproShield WRB/Air Barriers

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**Fastener Penetrations**  
Through VaproShield WRB/Air Barriers

**Overview**  
Fasteners (screws, nails, etc) used with cladding attachment systems will need to penetrate the WRB/Air Barrier (Figure 1). However, the WRB/Air Barrier must still provide air and water tight performance.

**ASTM D1970 Defined**  
ASTM D1970 is the Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Slope Roofing Underlayment for Ice Dam Protection. This standard, like many ASTM Standards, is comprised of numerous tests designed for evaluating the performance of a building material; in this case, asphalt/bituminous self-adhering roof underlayment.

**Misuse of ASTM D1970**  
Some manufacturers cite their ASTM D1970 results as evidence of being a 'self-sealing material' for all fastener types. This can be misleading, as ASTM D1970 is a standard specification and not a test.

**ASTM D1970 and Related Tests**  
Included amongst the multiple tests required within ASTM D1970 is the ASTM D7349-Standard Test Method for Determining the Capability of Roofing and Waterproofing Materials to Seal Around Fasteners. **ASTM D7349 is specifically designed for roofing nails installed into a plywood substrate** (Figure 2). This test is very appropriate for a steep slope roofing underlayment, and one that VaproShield materials pass as well.



Figure 1



Figure 2

ASTM D7349 is specifically designed for roofing nails installed into a plywood substrate.

**Misuse of ASTM D7349**  
Incorrectly referred to as a self-sealing test, the ASTM D7349 is technically a 'nail sealability test'. The problem with using this test to measure sealability is that most cladding attachment systems used in commercial construction are comprised of brackets, clips, extrusions, and screws that will penetrate the WRB/AB membrane. These screws can be up to 1/4" diameter and use self-drilling tips to pierce the metal structural framing (Figure 3).



Figure 3

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## VAPROSHIELD ON THE MOVE



### Greenbuild and ABX 2017

8 - 10 November 2017  
Boston Convention & Exhibition Center

Join us in Boston, Nov. 8-10, for the largest sustainable building event in the US! **Visit booth #1491** to learn more about our award-winning WRB/AB membranes.



### BUILDEX Calgary '17

November 8 & 9, 2017  
BMO Centre, Calgary

Discover our innovative membranes and see amazing keynotes at Buildex Calgary 11/8 - 11/9. Register before Oct. 19th to receive a discounted early bird rate!



### RCI Building Envelope Technology Symposium

November 13-14, 2017  
Omni Orlando Resort ChampionsGate, Orlando, Florida

The 2017 RCI Symposium will be hosted at the Omni Orlando Resort in Orlando, FL, on Nov. 13-14. Visit our booth for continuing education credits and complimentary samples!



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