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

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GIG HARBOR, WA – 09/27/2017 – *Radius at the Banks*, a VaproShield project in Cincinnati, Ohio, has received the 2017 Elevation Award for 'Air Barrier and Moisture Management' by Design + Durability magazine. This unique award recognizes exceptional air barrier and moisture management systems—including related accessories—that excel in design and installation detailing.

"It is a constant privilege to work with talented professionals who want to build a sustainable future," says Phil Johnson, VaproShield Managing Partner. "We are proud of our contribution to Radius at the Banks; recognition from an industry pillar such as Design & Durability truly underscores what we accomplished there."

D+D launched the Elevation Award program to honor architects, contractors, manufacturers, and industry professionals for the outstating work they contribute to the trade. On March 1st D+D invited all readers to nominate projects that effectively demonstrate technical expertise and artisan flair. Through these nominations, formally-unknown companies had the opportunity to highlight the talent of various project teams—from design to application—as well as the quality and performance of the products used.

“Too often, key infrastructure professionals get knee-deep in a project, then move on to the next one and don’t have time to recognize what a great project it was,” said Steven Reinstadtler, 2017 Elevation Award panel judge, in a statement to D+D news. “The Elevation Awards provide a means to get those projects recognized and appreciated by the architectural community.”

In an unprecedented shift towards high-performance design, developers of *Radius at Banks* decided to switch from a traditional fluid-applied air barrier to VaproShield’s WrapShield SA Self-Adhered WRB/Air Barrier System, in effort to address many financial, ecological, and quality-related concerns. Over 150,000 sq. ft. was installed on the massive development on the banks of the Ohio River, thereby accelerating of the construction phase, and ensuring the longevity of the building envelope. In addition, the VaproShield solution offered significant environmental contributions; it contained none of the toxic VOC emissions or Red List chemicals found in many common building envelope materials.

The awards were presented during a breakfast reception on September 14th at the Lippitt House Museum during CONSTRUCT 2017, in Providence, Rhode Island. Award winners will also be recognized in D+D In Depth and the Fall 2017 issue of Durability + Design magazine.

Who is VaproShield?

For over a decade, VaproShield has designed and manufactured high performance mechanically attached and fully self-adhered vapor permeable water resistive barriers (WRB), air barrier (AB) membranes and accessories to create a total solution-based approach to protecting the building envelope. Their innovative features, such as UV stable membranes for

open joint cladding applications, integrated tape on the membranes, permeable hybrid fluid-applied flashing for rough openings, WRB sealant and various accessories used in a variety of applications, have been rigorously tested together to maximize life-long building envelope performance and minimize building failure rates.

About Durability + Design Magazine

Durability + Design is a media network serving the building and design industry. D+D covers material on multiple platforms, with emphasis on building performance and aesthetics, as well as the technology, specification and application of architectural coatings and related materials. Durability + Design offers: educational e-books, problem-solving forums, quizzes, webinars, classified listings, and opportunities to interact online with colleagues. DurabilityandDesign.com, D+D In and D+D News are part of the Technology Publishing Network of paint and coatings editorial products. Related websites and publications include JPCL (the Journal of Protective Coatings & Linings); PaintSquare News; PaintSquare.com and Paint BidTracker.com.

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Durability + Design

The awards were presented during a breakfast reception on September 14th at the Lippitt House Museum during CONSTRUCT 2017, in Providence, Rhode Island. Those who accepted awards the ceremony are pictured, from left, Pat Penza, on behalf of VaproShield; Heather Marter, Axalta; Brian O'Farrell, on behalf of ECL Engineered Coatings; Mark Thomas, Tnemec; Josh Poole, Tremco; and Jim Gildea and Bill Bellicoe, Sika Corporation.

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BACKGROUNDER
VaproShield Membrane Essential to Multi-Million Dollar Cincinnati Development

VaproShield joins the revitalization of Cincinnati's central riverfront with Phase II construction on a multi-million-dollar development, The Banks. Phase II of the mixed-use development faced challenges regarding the application of a Weather Resistive Barrier (WRB)/Air Barrier (AB) that risked causing construction delays. The construction team originally considered a fluid-applied membrane for the 9-story residential-retail building; however, they were confronted with the many limitations of fluid-applied WRB/AB.

Shortcomings of Fluid-Applied Membranes

Combs Interiors' Senior Estimator, Josh Turner, describes the moment he realized a fluid-applied membrane could not meet the project's many demands. "The temperatures at which we were going to begin installing the air [barrier] membrane on the project [were] too cold for a fluid-applied [product]…the building was going up in sections. To have a crew come in and do the fluid-applied would have been…up to 10-15 mobilizations on the project."

Aware of Phase II's very aggressive building schedule and unique needs, Turner and his team made the switch to VaproShield's WrapShield SA® Self-Adhered water resistive, vapor permeable air barrier sheet membrane. WrapShield SA Self-Adhered can be installed in below freezing temperatures and with regular construction equipment. New to self-adhered sheet applied membranes, Turner's team quickly learned to work with WrapShield SA Self-

Adhered. Built for easy installation, WrapShield SA Self-Adhered was installed in sections as construction of the building continued. This approach allowed Phase II of The Banks project to remain on time for completion without increasing the demand for labor.

“The [VaproShield] team was great,” said Turner. “The technical assistance they gave us was really great. There was a lot more support for us than…from many other fluid-applied [companies]…it was a good product to use.”

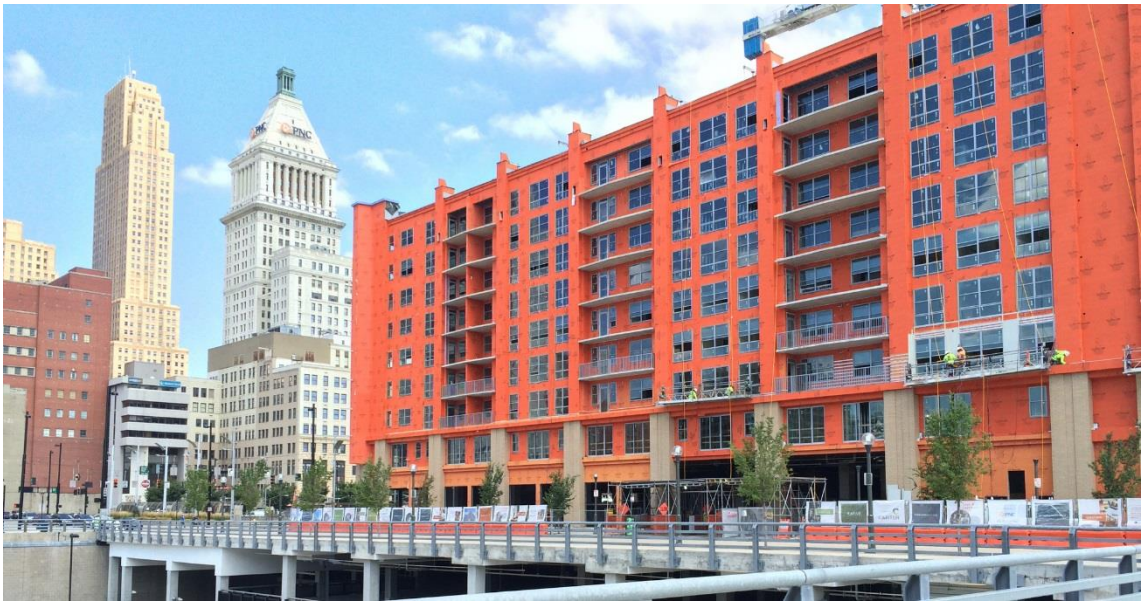
Concerns of Overspray and Risks of Fluid-Applied Membranes

Unlike fluid-applied membranes, phase construction friendly WrapShield SA Self-Adhered is entirely self-adhering and does not require the use of primers. This feature was crucial as some parts of The Bank’s Phase II construction were already completed upon the installation of the WRB/AB. A messy primer-based installation risked spraying onto the completed areas of the development.

“Because [Phase II is] in downtown, there’s quite a bit of wind,” explained Turner. “The other thing we were worried about with the fluid-applied was ….getting the over-spray on the windows that are below.”

VaproShims™ Rain Screen Accessory

Over 150,000 of VaproShield’s VaproShim Neoprene/EPDM accessories were used under the horizontal cladding attachment components on the Banks development, creating the desired vertical rain screen drainage plane for cladding, while sealing fastener penetrations. This simple design was a minimal cost while adding substantial drying capacity to the building envelope.



150,000 sq. ft. of WrapShield SA Self-Adhered Water Resistive Vapor Permeable Air Barrier sheet membrane was installed on The Banks Phase II Mixed-Use Building after initially choosing a fluid-applied product.

WrapShield SA Self-Adhered is applicable for all climates and weather conditions, and can be installed in temperatures as low as 20°F (-6° C) which made VaproShield a better choice than the fluid-applied product that would have been impractical and expensive to be applied in the windy, cold conditions of this project.

VaproShims used under horizontal cladding attachment created a small, effective ¼" rain screen cavity, allowing for unimpeded vertical drainage of moisture away from the building envelope.

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performance mechanically attached and fully self-adhered vapor permeable water resistive barriers (WRB), air barrier (AB) membranes and accessories to create a total solution-based approach to protecting the building envelope. Their innovative features, such as UV stable membranes for open joint cladding applications, integrated tape on the membranes, permeable hybrid fluid-applied flashing for rough openings, WRB sealant and various accessories used in a variety of applications, have been rigorously tested together to maximize life-long building envelope performance and minimize building failure rates.

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