



VaproShield Membrane Participates In Experimental, Post-Disaster Modular Unit

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GIG HARBOR, WA – 10/14/2014 VaproShield was honored to have WrapShield SA® Self-Adhered Water Resistive Vapor Permeable Air Barrier Sheet selected for use on an experimental, post-disaster housing prototype located in Brooklyn, NY. In development since 2008, the prototype was commissioned by New York's Office of Emergency Management (OEM) with funding from FEMA. The U.S. Army Corps of Engineers (USACE) was designated as project manager for the prototype's construction. Designed by Garrison Architects, the "townhouse" style post-disaster housing consists of five modular units – fabricated by Mark Line Industries – which are stacked on top of each other.

"This is an exciting innovation," comments Phil Johnson, VaproShield Managing Partner. "These [post-disaster housing] units have the potential to provide safe, reliable housing to the victims of natural disaster as they work to rebuild their communities. VaproShield is a proud contributor."

While the post-disaster prototype will be on-site in Brooklyn for a year, the modular units are designed to be mobile. The modular units were constructed for easy installation, deconstruction and transport.

"The idea is that no matter where a disaster occurs, these modular units can be placed on a truck and taken there," says Johnson. "The units need to perform

well in every climate, as there is no telling where they may end up, and WrapShield SA® Self-Adhered helps with that.”

WrapShield SA® Self-Adhered Water Resistive Vapor Permeable Air Barrier Sheet helps to regulate air flow to keep units cool in the summer and warm in the winter, thus reducing energy costs. WrapShield SA® Self-Adhered was selected for use on this initial prototype as it provides superior weather protection as well as the durability to withstand exposure in a wide variety of climates.

VaproShield technical experts will be available for interviews at GREENBUILD in New Orleans, October 22nd through 24th. Material samples are available at Booth 639.

Who is VaproShield?

For over a decade, VaproShield has designed and manufactured high performance mechanically attached and 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 integrated tape on the membranes, permeable hybrid fluid-applied flashing for rough openings, WRB sealant and various other 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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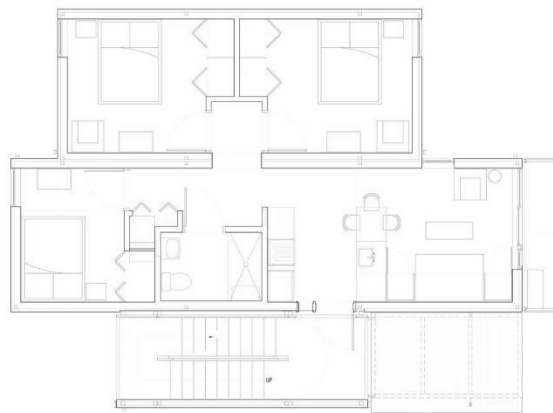
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WrapShield SA® Self-Adhered Water Resistive Vapor Permeable Air Barrier Sheet (orange) provides superior protection on NYC's Post Disaster Housing Prototype. Photo courtesy of Mary Frost.



In development since 2008, the prototype was designed to provide a safe and comfortable living space for victims of natural disaster. Photo courtesy of Mary Frost.



An architectural rendering of a 3 bedroom post-disaster modular home. Rendering courtesy of Garrison Architects.



VaproShield New Product Announcement

RevealShield SA® Self-Adhered For Open Joint Rain Screen Cladding Systems

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GIG HARBOR, WA – 10/16/2014 VaproShield, the industry leaders of innovative, breathable membranes systems for roofs and walls, announces the new product release of RevealShield SA® Self-Adhered for Open Joint Rain Screen Cladding Systems.

RevealShield SA® Self-Adhered for Open Joint Rain Screen Cladding Systems, black UV stable, vapor permeable, water resistive barrier (WRB) sheet membrane features:

- Zero VOC's
- High Vapor Permeance
- Exceptional UV Stability
- Low Temperature Application
- No Primer Required
- No Mechanical Fasteners
- No Tapes

RevealShield SA® Self-Adhered provides a secondary defense against bulk water intrusion – after primary building cladding – and allows buildings to rapidly dry out. By allowing buildings to “breathe,” RevealShield SA® Self-Adhered helps to reduce the effects of moisture damage, mold, mildew and rot that can cause

structural damage. It is suitable for all construction types including: commercial, multi-family, institutional, medical and high-end residential.

RevealShield SA® Self-Adhered is proven tear, rip and puncture resistant during and after construction. The product can be applied in temperatures of 20°F (-6°C) and rising. Designed to be entirely self-adhering, RevealShield SA® Self-Adhered does not require any primers. This eliminates the health risks of workers and installation site exposure to harmful and volatile VOC's and chemicals. The product can be installed in either direction: vertical or horizontal giving construction teams the option for faster installation.

VaproShield offers a total solution-based approach to flashing rough openings, windows and building penetrations to ensure zero water and air leakage and still offer vapor permeability. In addition to the 59"W RevealShield SA Self-Adhered roll, VaproShield offers RevealFlashing, 11 3/4"W precut flashing rolls designed to reduce installation time and increase field application accuracy. "By having precut rolls, crews don't need to cut (the large roll) on the worksite. This saves so much time in the field," notes Lee Snyder, VaproShield Managing Partner. "I have seen a single worker flash a commercial window in as little as 15 – 30 minutes (2-4 windows/hour) with extreme accuracy, because so few pieces are needed," says Snyder. "Other products take about one hour to complete a window. We are so pleased to offer contractors these labor savings features and products."

Testing is integral to the success of the VaproShield solution-based approach, helping to reduce contractor liability. Their membranes, flashings and vapor permeable sealants are fully tested in real world conditions as well as the lab. "Our products are meticulously tested to ensure maximum performance together as a system, making it easy to create an energy saving air barrier system," notes Snyder. "We even put samples outside in Seattle downpours for real world testing."

“We are pleased to say RevealShield SA® Self-Adhered is Class A Fire Rated,” notes Snyder. RevealShield SA® Self-Adhered earned the top tier fire resistance rating as well as a Flamespread Index of zero and a Smoke Development Index of 75.

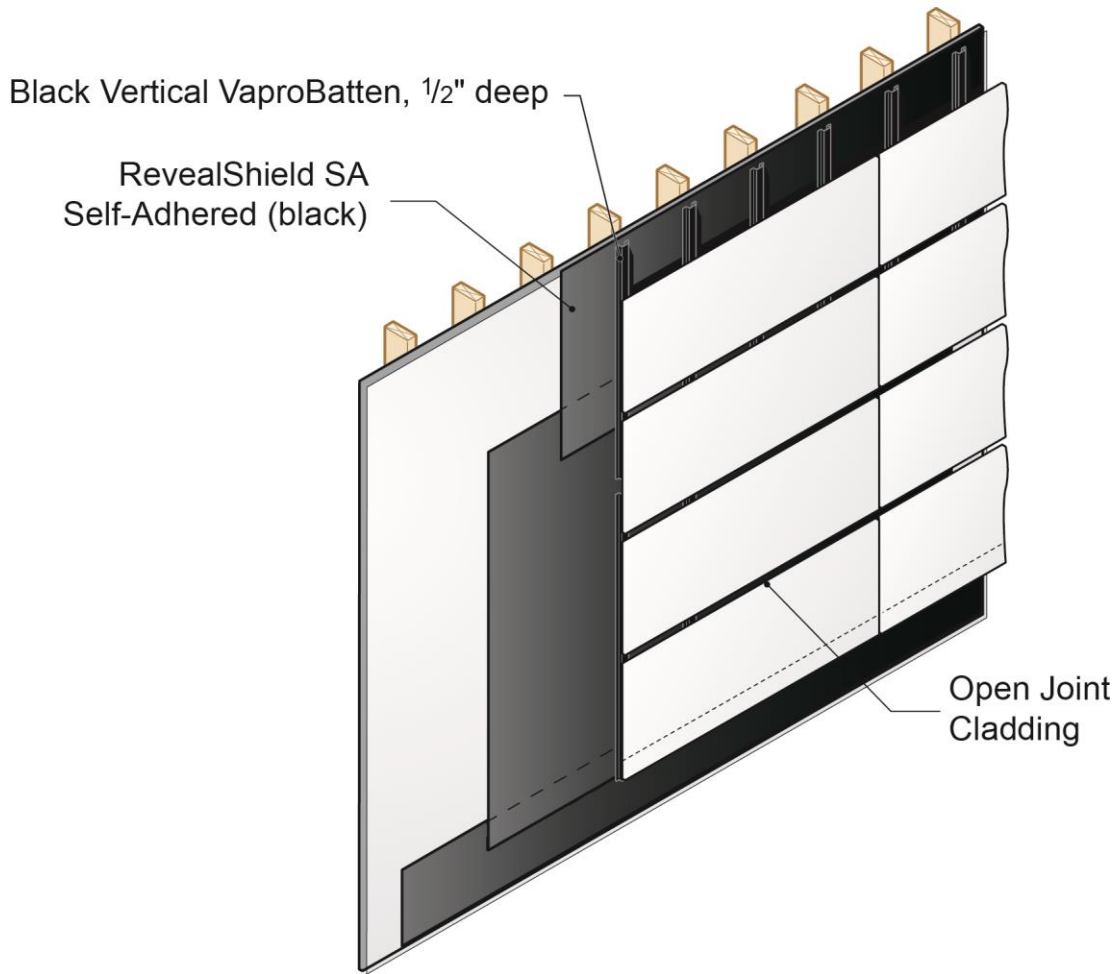
VaproShield’s versatile product lines conform to the most rigorous green building standards and have been engineered to contribute LEED points for Indoor Environmental Quality and Energy & Atmosphere.

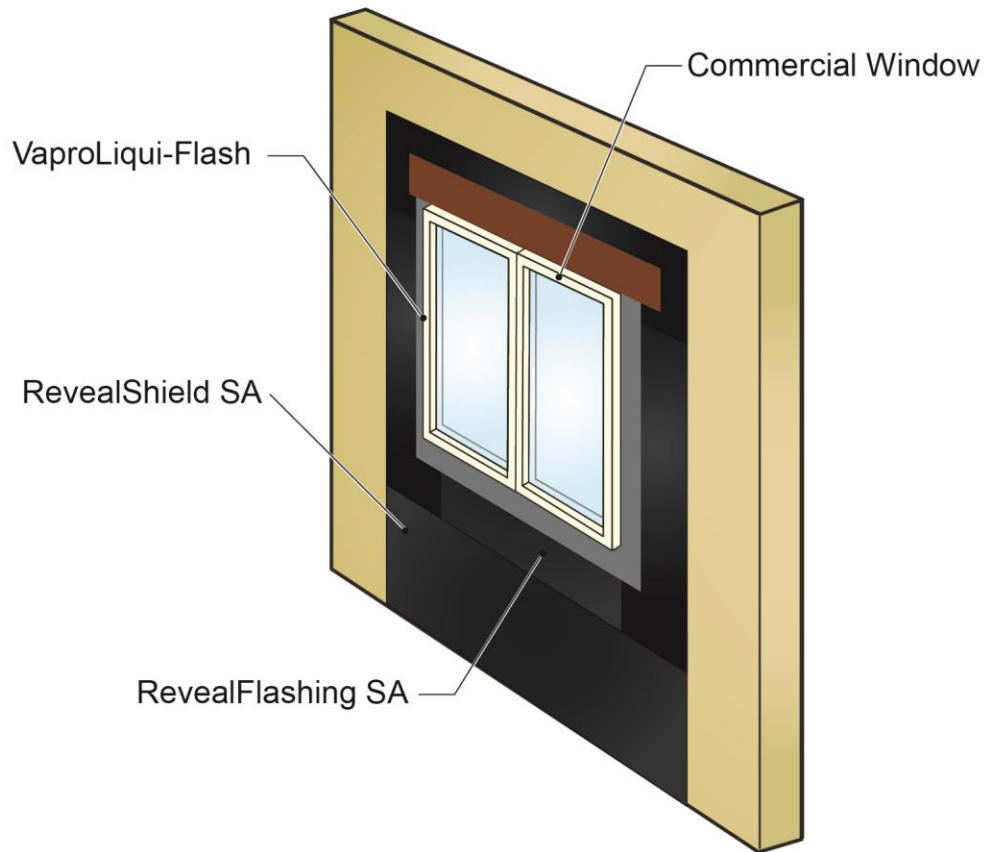
“We know about the dangerous effects of VOC’s and off gassing and we are committed to ensure our products are free of these harmful components,” says Phil Johnson, VaproShield Managing Partner. “VaproShield is dedicated to remaining on the cutting-edge of green design and providing earth-friendly, innovative product solutions to create a better building envelope. We believe RevealShield SA® Self-Adhered is representative of this mission.”

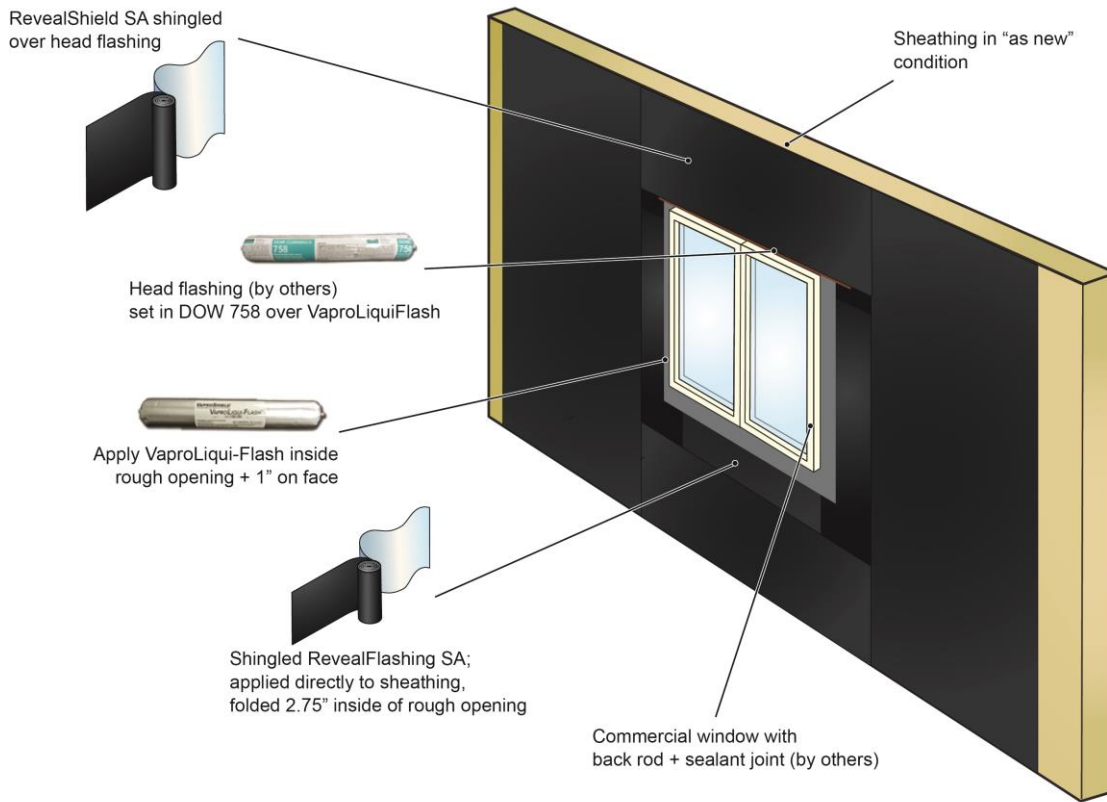
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**VaproShield Products Showcase Sustainability:
Proven Green by Industry-Leaders in Eco-Friendly Design and
Construction**

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GIG HARBOR, WA – 10/20/2014 VaproShield has been committed to the development and continued improvement of sustainable building materials since the company's formation. Recently, VaproShield's versatile product line was shown to conform to the most rigorous green building standards including: Living Building Challenge, Net Zero Energy House, Passivhaus, COTE/AIA Top Ten Green Projects and LEED Platinum. Designed to be durable and environmentally friendly, VaproShield products contain zero VOC's, zero Red List chemicals (as determined by the Living Building Challenge) and do not require flammable and/or toxic primers for application.

"We believe in investing in sustainability," explains Phil Johnson, Managing Partner at VaproShield. "Since the very beginning, we've built innovative products that reduce exposure to dangerous chemicals – and we pride ourselves on that – but we're constantly striving to do better. We continually educate our staff [on sustainability] to ensure our products are on the cutting-edge of green design."

VaproShield performs regular, voluntary internal audits to guarantee their products are free of harmful chemicals. All VaproShield products are safe to transport, handle and install in all weather conditions. The installation process is proven safe for contractors and does not require the use of safety equipment such as protective eyewear, respiratory masks or gloves. Product features like

self-adhering capabilities and zero primer requirements allow for faster, more efficient installation to reduce labor costs and material waste.

“Our goal is to make sustainable design easy for people,” says Johnson. “So, to achieve that goal, we created an excellent product – something people would want to use – and brought green design into it. Anyone who uses VaproShield products on their construction projects is bringing in eco-friendly design, even if sustainability wasn’t the builder’s end goal. It’s that simple.”

VaproShield’s sustainable elements extend well beyond initial installation. The products’ air barrier technology reduces energy consumption and provides superior indoor air quality, thus passing on the benefits of environmental design to the building’s occupants for the life of the building. VaproShield’s solution-based products protect the building envelope to maximize its performance; this can reduce contractor liability and increase building longevity. VaproShield products are 100% recyclable for end of life building demolitions.

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Omega Institute for Holistic Studies trusted VaproShield's membranes to meet the Living Building Challenge's rigorous standards. Photo courtesy of Green Source.



National Renewable Energy Lab, solely dedicated to advancing renewable energy and energy efficiency technology, achieved LEED Platinum status using VaproShield products.



VaproShield products helped **Yannell House** achieve Net Zero Energy status by creating an airtight envelope, maximizing energy efficiency and reducing costs.



North Dakota State U Passivhaus uses very little energy for heating and cooling costs with its airtight building envelope using VaproShield WrapShield SA® Self-Adhered.