

Project Profile

Catalyst | Spokane, WA



Photo Courtesy of Benjamin Benschneider

VaproShield is proud to announce their participation in another high-performance project, Catalyst STEM Lab, one of North America's largest buildings to pursue both zero energy and zero carbon certification.

Over 50,000 sq.ft of WrapShield SA Self-Adhered air and water resistive barrier was installed on the building, located in the new South Landing "eco-district" neighborhood of Spokane, Washington.

CLT (cross-laminated timber), a popular eco-friendly substrate was used on the Catalyst. By minimizing the use of steel and concrete and instead relying on carbon-storing timber, the Catalyst's structure offsets emissions of heat-trapping greenhouse gases. This is equivalent to taking 1,100 cars off the road for a year.

Studies show that VaproShield's highly permeable WRB Systems increase substrate drying and reduce wet time of absorptive claddings - resulting in enhanced wall assembly performance.

WrapShield SA Self-Adhered offers exceptionally high drying capacity, which will prove instrumental in drying out the moisture-laden CLT substrate over time.

When fully adhered to a CLT substrate, WrapShield SA can improve continuity of the air barrier by resisting lateral air movement, contributing to the airtight envelope needed to meet the stringent energy goals set forth by the architect, Michael Green.

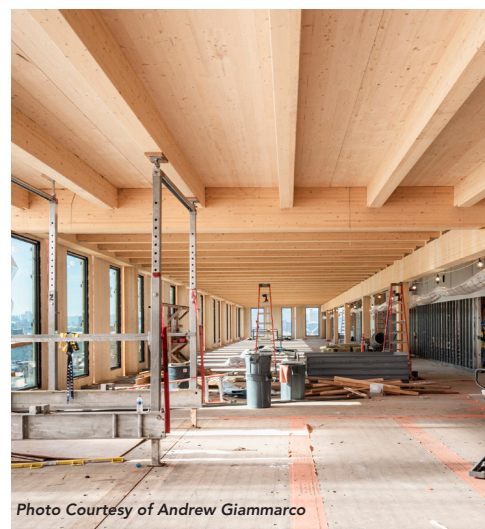


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VaproLiqui-Flash was applied around the building's abundant windows saving valuable field labor time. VaproSilicone Transition Materials coupled with VaproBond provided a water and air tight transition between WrapShield SA at the expansion joints.

WrapShield SA had the added benefit of zero VOCs, no primer, and has the Living Building Challenge's "Declare" label—the most advanced sustainability certification program for the built environment in the market today.

As the new home to Eastern Washington University's College of Science, Technology, Engineering and Mathematics (CSTEM) Catalyst is a laboratory for the innovators of the future.

The Specifications

VaproShield Solution	WrapShield SA Self-Adhered
Accessories	VaproSilicone Transition Materials, VaproLiqui-Flash, VaproBond
Architect	Michael Green, AIA Vancouver, BC www.mg-architecture.ca
General Contractor	Katerra Menlo Park, CA www.katerra.com
Installer	Axiom Lynden, WA www.axiomconstruction.net
VaproShield Rep	Kevin Nolan Technical Director North America



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