VAPROSHIELD®
Breathable Membrane Systems for Roofs & Walls

Innovative Building Envelope News from VaproShield

VaproShield Ribbit Review

February 2012

VAPROSHIELD PROJECTS

Peabody Opera House
St. Louis, MO

Over 30,000 Sq.Ft. of SlopeShield Water Resistive Roof Underlayment was installed on the 77 year old Kiel Opera House, now renamed Peabody Opera House. Built in 1934, the opera house was closed in 1991, but with restoration and renovation re-opened in the Fall of 2011.

Edward Jones
St. Louis, MO

Over 40,000 Sq.Ft. of WrapShield Water Resistive Vapor Permeable Air Barrier Sheet was installed on the new Edward Jones building at their Headquarters in St. Louis.

Who Is VaproShield?

VaproShield is an industry leader of innovative, affordable breathable membrane systems for roofs and walls that reflect state-of-the-art building science. Our team of Building Enclosure Specialists offer technical expertise and clear understanding of building construction technology.

WrapShield SA Self-Adhered on Music City Center and Radisson BLU

Over 400,000 Sq.Ft. of WrapShield SA Self-Adhered Water-Resistive Vapor Permeable Air Barrier sheet membrane was used on the construction of the new $415 million Music City Center in Nashville, TN. Total land area is 16 acres and total square footage of this project is 2.1 million Sq.Ft.

Over 92,000 Sq.Ft. of Wrapshield SA Self-Adhered Water Resistive Vapor Permeable Air Barrier sheet membrane was installed over exterior gypsum on the new Radisson BLU, the only hotel attached via skyway directly to the Mall of America. WrapShield SA Self-Adhered is being installed in the harsh Minnesota winter weather. The average temperature is 10-30 degrees with frequent winds.

WrapShield SA Self-Adhered does not require any primer, has zero VOC's, has 6 months UV and climate exposure, and a Class A Fire Rating and is tested to the stringent ASTM E 84 standard.

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NEWS and UPDATES

Visit Us at these trade shows

RCI
Dallas, TX
March 17-18, 2012
Booth# 605

BEST
(Building Enclosure Science & Technology) Show
Atlanta, GA
April 2-4, 2012

FIND US ON FACEBOOK

VaproShield has installed millions of square feet of breathable membranes on commercial, institutional and high-end residential projects.

Ribbit Resource

Four Ways Water Moves In/Out of Buildings

(Excerpt from Environmental Building News July 2011)

1. Bulk water (i.e. rain, runoff) is driven primarily by gravity, wind and pressure differences. It is managed by moving water down, off and away from the building.
2. Capillary water moves under tension through porous building materials or through narrow channels between building materials, which act like straws. The primary defenses are capillary breaks in appropriate locations.
3. Air-transported moisture is carried into or out of buildings by air leaks. Air moves through holes in the building envelope, propelled by pressure differences. Air-transported moisture is managed by preventing air leakage with a continuous air barrier.
4. Vapor diffusion is the movement of water as a gas through material according to differences in relative humidity or vapor pressure.

Often we only think of controlling the movement of water vapor into a building assembly, instead we should be interested in how water vapor escapes out of the building assembly. While building assemblies can get wet by all four forms of water, once water gets in, the main way it can get out is by diffusion. It is important to allow building assemblies to dry.

Contact us with your building envelope questions or newsletter topic suggestions.