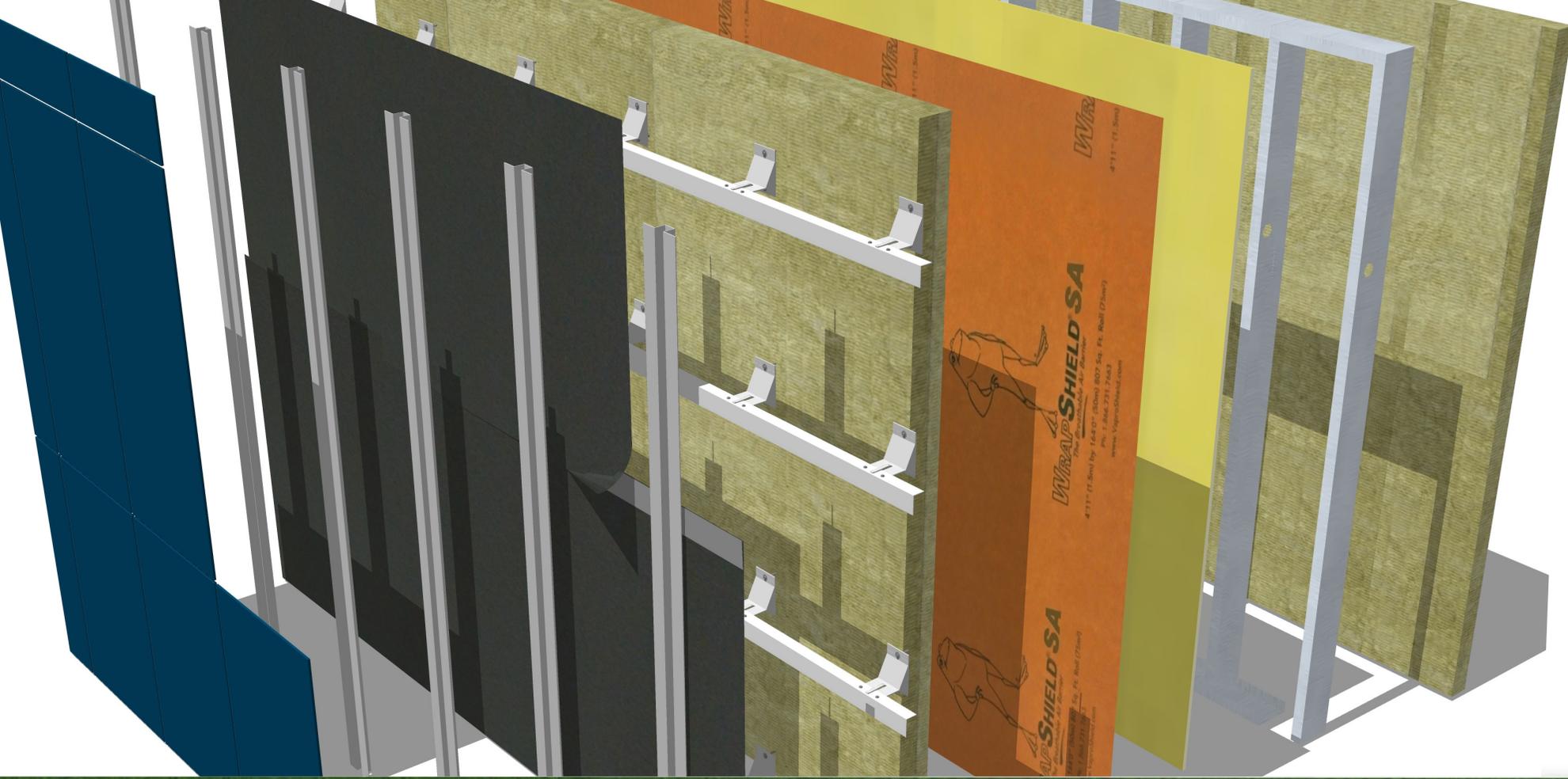




VAPRO  **SHIELD**®
Breathable Membrane Systems for Roofs & Walls

PREMIERE MANUFACTURER OF BREATHABLE, ENERGY EFFICIENT BUILDING ENVELOPE SOLUTIONS



YOUR BUILDING DESERVES **THE BEST** BUILDING ENVELOPE SYSTEM

The *building envelope*, simply put, is the building exterior that repels the elements. Upon a closer look, it's an engineering system that meshes multiple elements; *structural integrity, moisture control, temperature control, and air pressure boundaries* - all rolled up into a single design strategy.

With the convergence of multiple elements and materials, who makes the final decision? **Who is liable?**

Most building envelope failures come in the form of moisture that penetrates the exterior or is trapped within the system during construction or occupancy. This leads to degradation of construction materials, dreaded mold growth, rust, rot and eventual failure.

**BUILDING ENVELOPE:
CONVERGING MULTIPLE ELEMENTS – WHO IS LIABLE?**

BREATHABLE AND AIRTIGHT VAPROSHIELD MEMBRANES

...protect your building envelope by letting vapor pass through (breathable) but not air or water.

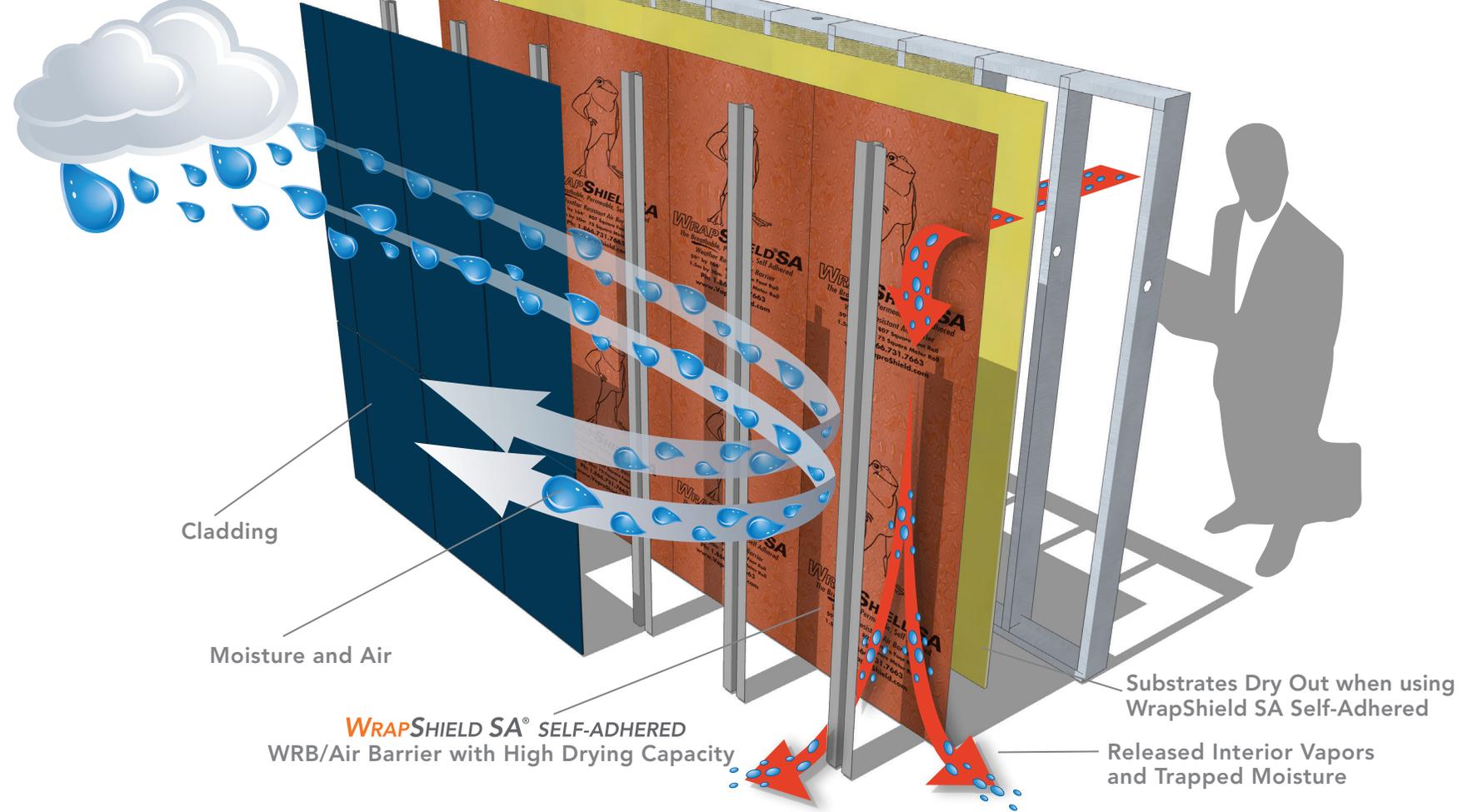
ENERGY SAVINGS

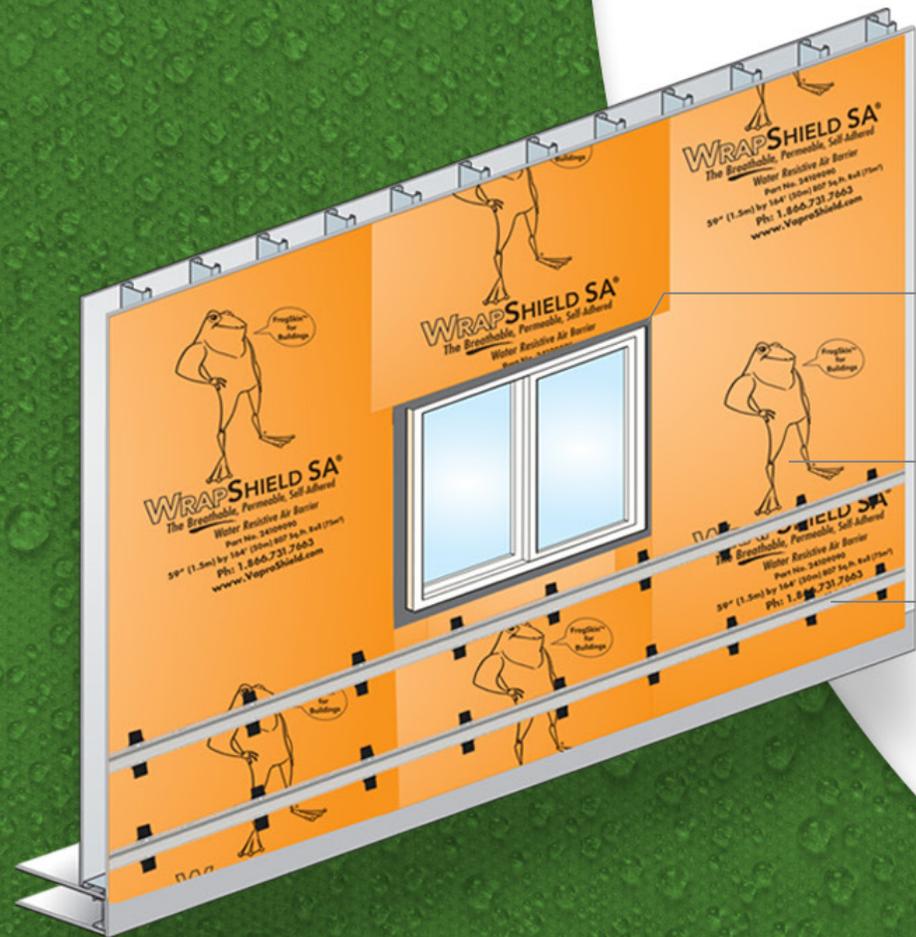
Air is expensive to treat. Owners must heat and cool air so stopping air movement, in and out of the building, using an air barrier, saves energy for the life of the building.

MOISTURE MANAGEMENT

A building has to battle constant moisture infiltration from occupants and Mother Nature, so having a WRB/Air Barrier that offers a high drying capacity mitigates moisture damage within the building envelope and allows building materials to dry out

**BREATHABLE AND AIRTIGHT:
PROTECT YOUR INVESTMENT, LET MOISTURE ESCAPE**





3 SIMPLE STEPS

Install Rough Opening Flashing Materials

Apply Airtight and Breathable Field Membrane

Add Rain Screen Design Components

COMPLETE WRB/AIR BARRIER SYSTEM

COMPLETE WRB/AIR BARRIER SYSTEM

VaproShield's breathable airtight field membranes; rough opening flashing materials and rain screen design components are designed and tested to work together—reducing your liability for potential expensive moisture-related repairs.

The solution-based approach to the building envelope offers benefits for Building Owners, General Contractors and Installers.

INCREASED CONTRACTOR PROFITABILITY

lower installation cost, less inventory, minimal training

MULTI-SUBSTRATE/CLADDING COMPATIBLE

install a single WRB/Air Barrier system

PHASE CONSTRUCTION FRIENDLY

apply in extreme conditions, use common job site tools

CREW SAFETY

zero VOC's, no toxins, no special equipment

**COMPLETE SYSTEM:
INNOVATIVE, EFFICIENT and EFFECTIVE**

SIMPLIFIED WRB/AIR BARRIER SYSTEM

The VaproShield Air Barrier System was designed to maximize profitability plus minimize inventory and field training. The self-adhering field membranes require no primers, joint/gap fillers or tapes—eliminating the need for time intensive substrate and rough opening preparation.

Nearly 99% of installers reuse our products on their next jobs because managing only two SKU's in the field improves labor estimates and drastically reduces installation time.

SIMPLIFIED AIR BARRIER SYSTEM:
MAXIMIZE YOUR PROFITABILITY

FLASHING MADE EASY

Flash rough openings with either:



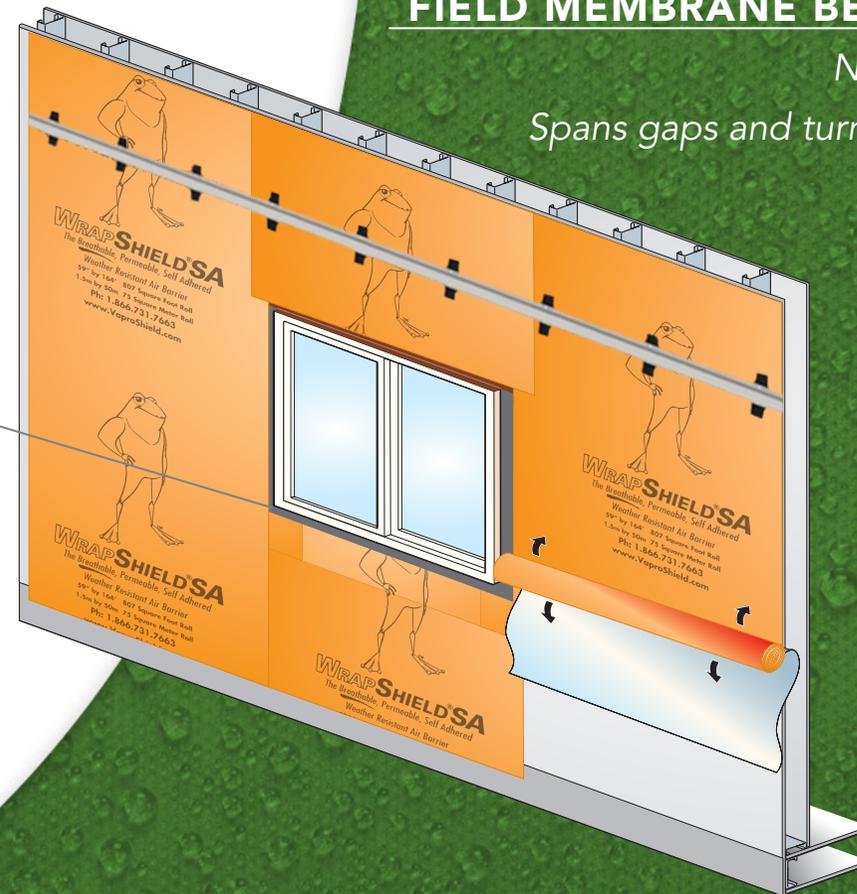
VAPRO-SS FLASHING™
or



VAPROLIQUI-FLASH™



Flashing
pre-cut rolls



FIELD MEMBRANE BENEFITS

No Primers

Spans gaps and turns corners



CLADDING

INSULATION

SUBSTRATES

WORKS WITH YOUR SUBSTRATE AND CLADDING

VaproShield membranes work on virtually all substrates; gypsum, plywood, extruded/molded polystyrene insulation, concrete block, and mineral wool.

Diverse cladding and multiple insulation materials — easy enough — VaproShield membranes offer proven compatibility.

- Open Joint Facades
- Stucco
- Rigid Insulation
- Fiber Cement
- Brick
- Mineral Wool
- ACM
- Stone
- Continuous Insulation

**MULTIPLE CLADDING , SUBSTRATES, INSULATION:
SINGLE WRB/AIR BARRIER SOLUTION**

E X T R E M E D U R A B I L I T Y

Fully exposed [no cladding] VaproShield membranes have been proven durable in the most extreme conditions – hurricanes, arctic blasts and frigid northern temperatures. Architects, consultants, owners and contractors were relieved to see the membrane still intact after severe weather damaged other materials onsite.

A L L C L I M A T E C O N S T R U C T I O N

Noted as the most Phase Construction Friendly WRB/Air Barrier in the industry, VaproShield membranes can help keep your construction schedule on track. Easily installed in virtually all weather conditions, including below freezing temperatures.



SUN

WIND

RAIN

SNOW



FOLLOW YOUR SCHEDULE:
NOT MOTHER NATURE

ASTM E84
ASTM E2178 20 YEAR WARRANTY
ASTM E398
ASTM E398
ASTM E2357 **abaa**
ASTM D5034
NFPA 285
180 DAYS UV EXPOSURE

BEST IN CLASS

VAPROSHIELD MEMBRANES MEET/EXCEED ALL INDUSTRY STANDARD TESTING

ASTM E2357 compliant in multiple assemblies, Class A fire rating, 20 year material warranty, sustains 180 days UV and climate exposure

NFPA 285 AND ASTM E84 VaproShield membranes have been successfully included in numerous NFPA 285 assembly tests. It's important to understand that NFPA 285 is a full-scale, two-story, exterior wall assembly test, measuring fire characteristics of all the applicable building materials in the assembly not just a single component like the WRB.

The ASTM E84 test measures the surface burning flame spread and smoke developed of an individual material. All VaproShield membranes are ASTM E84, *Class A rated*.

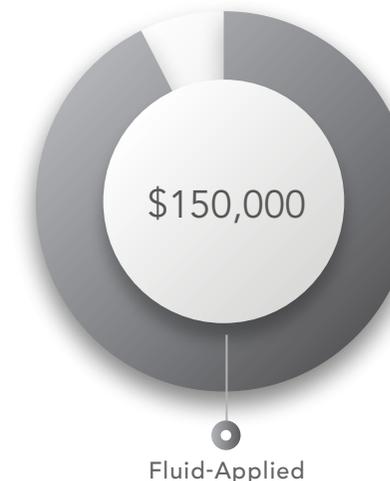
SETTING THE STANDARD:
RIGOROUS INTERNAL & EXTERNAL TESTING & CERTIFICATIONS

INNOVATION LEADS TO SAVINGS

With material and labor the VaproShield WRB/Air Barrier System offers up to 50% savings compared to major competitors.

Since we have eliminated the labor intensive job of primer application, joint and corner taping/masking – VaproShield is the proven winner!

Millions of sq.ft. have been installed throughout North America and multiple national construction projects have chosen VaproShield's WRB/Air Barrier System.



**AFFORDABLE INSTALLATION:
FAST, ACCURATE AND ZERO SUBSTRATE PREPARATION**

*Calculations based on 40,000 sq.ft., 200 windows, \$60/hour labor rate

AC Hotel by Marriot

Barnstable High School

BMO Sports Facility

Cambridge Savings Bank

Clemson University

Cleveland Hopkins International Airport

Collegetown Student Housing

Crown Audi Dealership

Denver Crime Lab

Federal Center Regional Headquarters

Harrah's Cherokee Casino

Hill 7 Mixed-Use

Hyatt Regency Hotels

Mall of America Hotels

Mid Pike Block 10 Plaza

Mural Apartments

National Renewable Energy Lab

NOAA Research Facility

Norton Sound Hospital

Peabody Opera House

Quarry Hill Assisted Living

Radius at the Banks Mixed-Use

The Confluence Condos

The Surf Club Four Seasons

Washington Gateway Mixed-Use

Whole Foods Market

WE WORK WITH **ALL** BUILDING TYPES

VaproShield's high performance building envelope solutions work for all types of buildings and construction. We have had the privilege of working with the nation's biggest construction projects over the last decade like:

- Hudson Yards, New York City

- Music City Center, Nashville

- McCarran Airport Terminal 3, Las Vegas

We are proud of installing millions of square feet for architects, contractors, consultants and installers in diverse markets and climates throughout the U.S., Canada, Mexico, South America and New Zealand.

**TRUST VAPROSHIELD:
PROVEN PERFORMANCE ON PROJECTS LARGE & SMALL**



My breathable skin is perfect,
that's why they copied me!

WHAT ABOUT THE FROG?

VaproShield membranes were inspired by a frog's permeable, breathable skin, so we have always been green.

Our membranes are built to make sustainability intuitive. They contain zero VOC's and do not require toxic/flammable primers, making them safe to transport, handle and install.

VaproShield performs voluntary audits and our transparency paid off. We were awarded the coveted *Declare Label for the WrapShield SA Self-Adhered System*, placing VaproShield at the forefront of the transparency movement.

MIMICKING NATURE:
BREATHABLE SKIN IS PERFECT



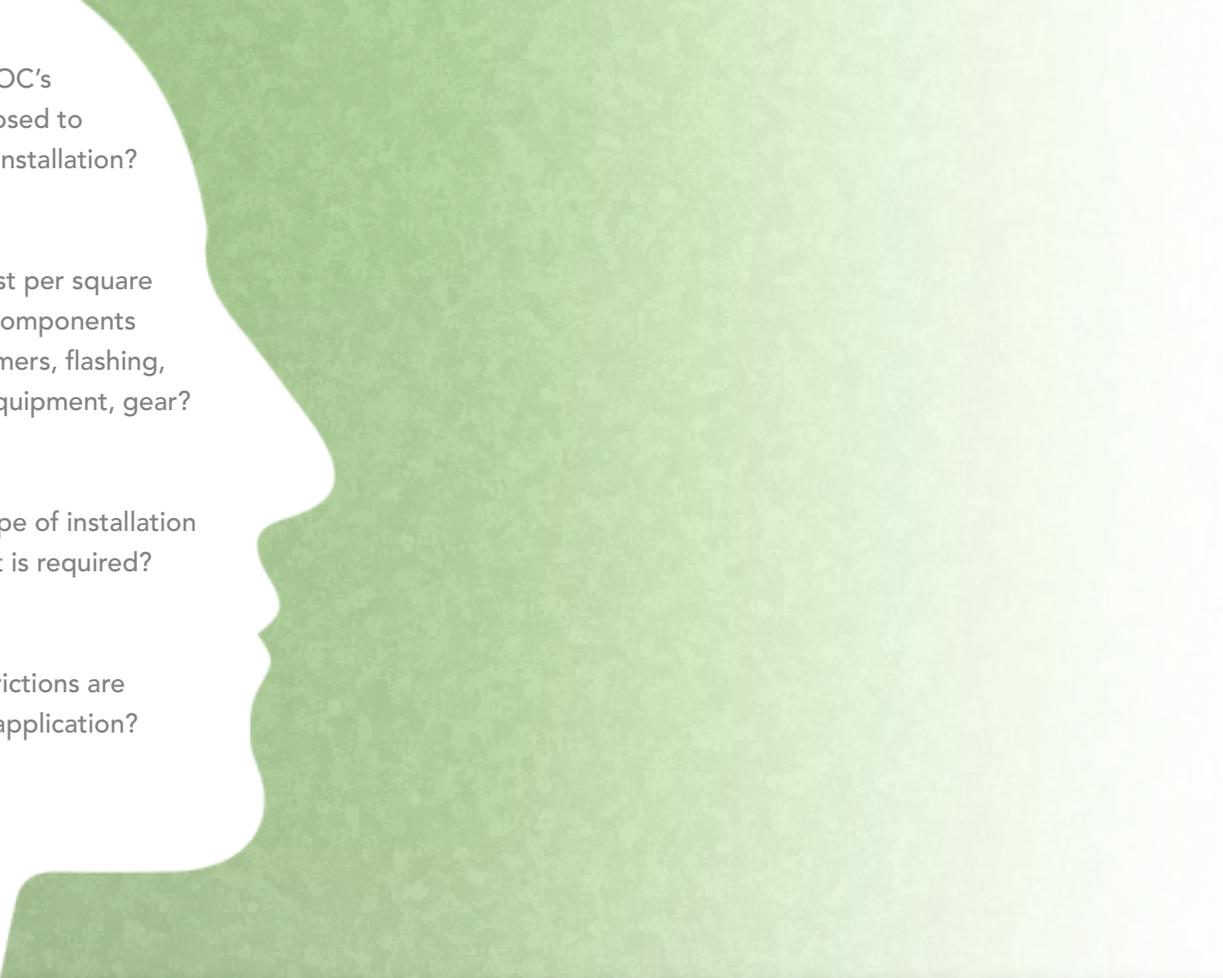
Hyatt Regency Lake Washington at Seattle's Southport • Renton, WA

Declare.

**WrapShield SA Self-Adhered System
VaproShield**

Final Assembly: Chicago, IL, USA
Life Expectancy: 50+ Years
End Of Life Options: Salvageable/Reusable in its
Entirety, Recyclable (90%), Landfill (10%)

Ingredients:
Polypropylene, Silyl Terminated Polyether,
Silane, Calcium Carbonate, Limestone,
Acrylic Polymer, Polypropylene Glycol,
Silane, Stearic Acid, Calcium Carbonate



What types of toxic chemicals or VOC's
are humans or buildings exposed to
during and after installation?

Does your cost per square
foot include all the components
required to install: primers, flashing,
membranes, equipment, gear?

What type of installation
equipment is required?

What weather restrictions are
associated with application?

What type of joint/corner
treatments are required?

CONTINUING THE CONVERSATION

Contact VaproShield for a technical spec. review

V I S I T V A P R O S H I E L D . C O M

**INNOVATIVE BUILDING ENVELOPE SYSTEM:
EFFICIENT, INTUITIVE AND AFFORDABLE**



PREMIERE MANUFACTURER OF BREATHABLE, ENERGY EFFICIENT BUILDING ENVELOPE SOLUTIONS



All Climate
Installation



Breathable
Zero VOC's
No Primers



Control the Effects
of Condensation
Water Intrusion
Air Infiltration

