

- Provides greater moisture and water protection of sheathing than mechanically attached Water Resistant Barriers (WRBs)
- Keeps water from being trapped behind the WRB during construction phase
- Eliminates wind washing of insulation due to pressure cycling
- Lowers energy costs (defined by Energy Star whole house modeling)
- Improves occupant comfort by eliminating drafts
- Improves performance of insulation
- Helps prevent mold growth by removing moisture

Product Description

- Vapor permeable water and air barrier
- Tri-laminate polypropylene fabric
- Fully adhered to sheathing — eliminating mechanical fasteners
- Meets industry standard for a Water Resistant Barrier (WRB)
- Patented intermittent adhesive
- Fully water resistant
- Peel-and-stick — easy to apply
- Packaged in convenient rolls for full wall and flashing applications

Henry

#1 CHOICE OF PROFESSIONALS.

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Self-adhered— no staple holes and tears that allow air and moisture to pass through walls

Blueskin VP™

The new standard of protection for wood frame construction

Air Tight
Water Tight
Weather Tight



Picks up where traditional polymeric wraps leave off

Despite common perception, traditional building wraps are not air barriers in many applications.



This is because the required detailing, fastening, taping and sealing are often lacking in the field. Consequently, they allow uncontrolled air movement in both directions, resulting

in reduced thermal performance of the wall assembly, as well as potential for moisture and mold problems.



By contrast, Blueskin VP™ is both a water resistive barrier and air barrier. By providing a continuous plane of air-tightness, this tri-laminate prevents air and bulk water from moving through exterior walls in either direction.



Self-adhered— no staple holes and tears that allow air and moisture to pass through walls

Energy Costs Air Barrier Systems vs WRB			
City	Annual Savings % (gas/electric respectively)		
	Office	Retail	Apartment
Bismarck, ND	42%/26%	26%/2%	40%/9%
Minneapolis, MN	43%/33%	28%/18%	43%/14%
St. Louis, MO	57%/28%	38%/9%	57%/12%
Phoenix, AZ	77%/9%	64%/14%	57%/0%

2005 NIST report #7238

Lowers energy and building costs

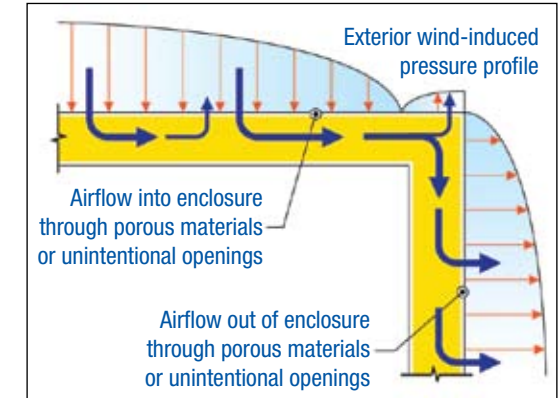
One of the largest energy saving factors in building construction is a functioning Building Envelope System®. In fact, as much as 25-40% of energy consumed to condition indoor space in well-insulated homes is due to air leakage through the building envelope.* Blueskin VP™ eliminates uncontrolled air leakage created by various mechanisms such as stack effects, wind effects and mechanical air handling effects – to deliver significant financial benefits to owners and occupants.

- Increases structure's energy efficiency
- Permits HVAC equipment to be downsized in some cases, reducing building costs
- Improves performance of fiberglass insulation to SPF levels
- Eliminates perimeter caulking for labor and cost savings in most cases**
- Prevents loss of conditioned air



Wind washing

Positive and negative pressures on the building envelope drive air and moisture into and out of the structure through porous materials or unintentional openings. Blueskin VP™ prevents pressure cycling to improve the thermal and moisture performance of exterior walls.



Thermal Control in Buildings, Building Science Digest 011, by John Straube 2006 Building Science Press

Provides mold protection, too

Moisture is transported with moving air, so failure to prevent this can lead to condensation within the wall cavity. Controlling moisture and air leakage controls one of the variables leading to the growth of mold. By excluding mold spores that may be in the wall enclosure from spreading to the indoor environment, Blueskin VP™ can help keep structures healthy and eliminate costs for mold remediation.

*A. N. Karagiozis, Impact of Air Leakage on the Thermal and Moisture Performance of the Building Envelope, ORNL 8/15/2001
**Still required in some code areas