

Introducing...

VALÉRON

VORTEC™
DRAINAGE BARRIER

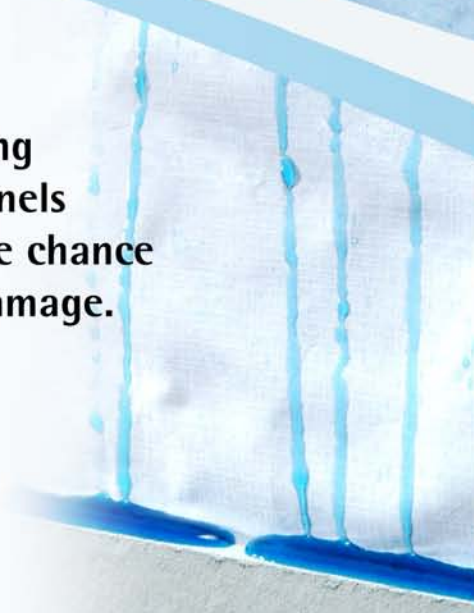


The latest technology
for tomorrow's homes™.

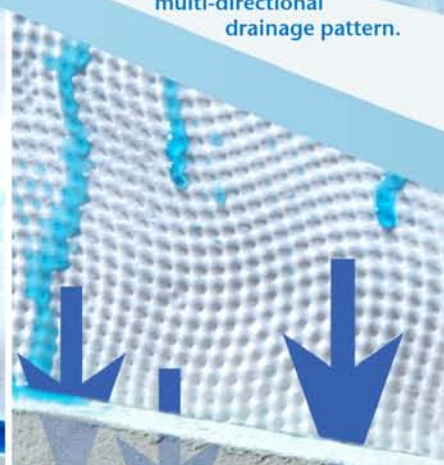
Commercial Grade available

Valéron Vortec™ EVD is the premier water-resistive barrier that incorporates a patent-pending pattern of multi-directional channels to promote drainage, reducing the chance of mold, mildew and structural damage.

Patent-pending
multi-directional
drainage pattern.



Traditional Housewrap



Valéron Vortec™ EVD

A Product of

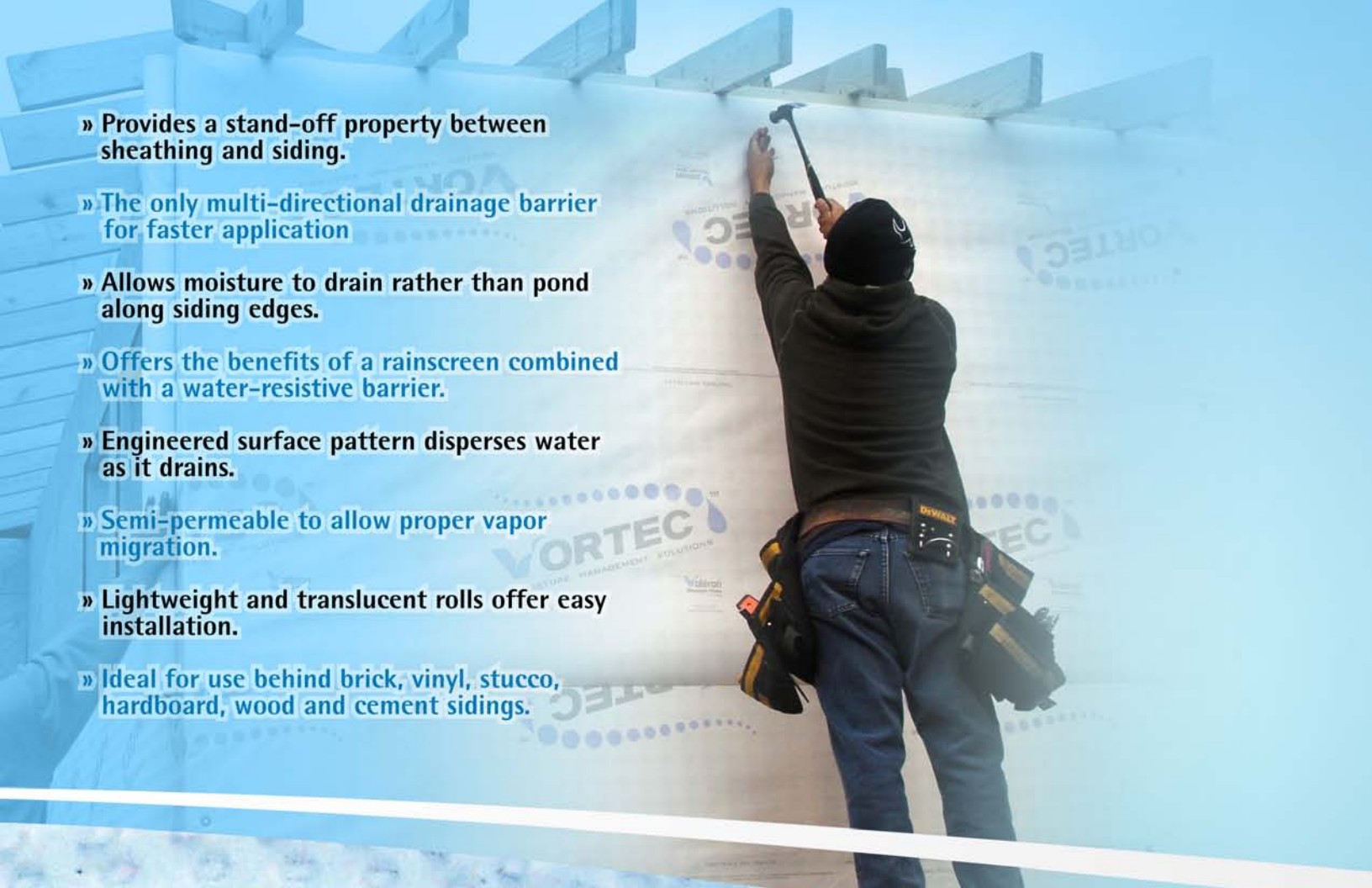
Valéron
Strength Films
An ITW Company


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800-VALÉRON

www.valeronvortec.com

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- » Provides a stand-off property between sheathing and siding.
 - » The only multi-directional drainage barrier for faster application
 - » Allows moisture to drain rather than pond along siding edges.
 - » Offers the benefits of a rainscreen combined with a water-resistant barrier.
 - » Engineered surface pattern disperses water as it drains.
 - » Semi-permeable to allow proper vapor migration.
 - » Lightweight and translucent rolls offer easy installation.
 - » Ideal for use behind brick, vinyl, stucco, hardboard, wood and cement sidings.



A durable, new water-resistant barrier unlike any other. The specially engineered, 3-dimensional surface of Valéron Vortec™ EVD creates an airspace between sheathing and cladding which allows moisture to drain, rather than pond in wall cavities, reducing the chance of mold, mildew and structural damage.



Traditional wraps do not provide a drainage space beneath the siding, and water from wind-driven rain can pond behind the exterior cladding, as it has no intended path for the water to be transported safely down and away from the wall envelope. But the unique, crush-resistant pattern of Valéron Vortec™ EVD provides a stand-off property to create an airspace between the siding and Vortec's surface.

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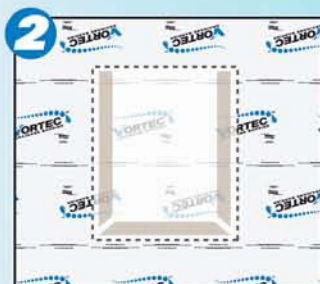
A Practical Guide

to the Proper Installation of Valéron Vortec™ EVD

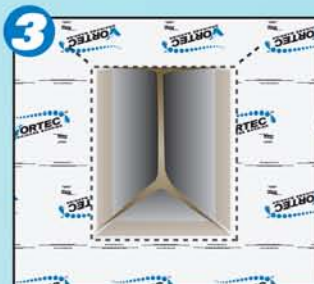
Improving the Weatherization of Your Home's Exterior Walls



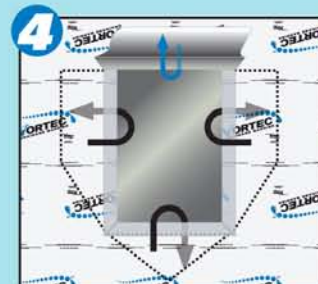
Start 2-3 feet from a corner and unroll in either direction, print side out. Wrap around corner and continue nailing or stapling as you move around the house. Use fasteners that are long enough to penetrate into the stud or nail base material.



Secure **Vortec™** firmly in place by fastening it every 16" or 24" along the horizontal header, sill plate and vertical studs. Extra fasteners should be placed around each opening to be cut. You may install it over wood, foam or fiberboard sheathing and exterior gypsum board.



Make an inverted Y cut in the wrap at window rough opening. Make diagonal cuts at the top of the rough opening corners.



Fold the three flaps in through the opening, fastening them inside with staples set about every 6 inches. Fold top flap up and tape temporarily as shown.



Install the bottom flashing over the wrap.

Note: Valéron Strength Films recommends the use of flashing material.

Windows must be installed in accordance with manufacturer's recommended installation procedures.



Install window.
Flashing details around window:

- A Install side flashing over side window flanges.
- B Install head flashing over the top window flange and extend it out 3 to 4 inches over the side flashings.
- C Bottom window flange should be over flashing, installed in Step 5.
- D Remove temporary tape from top building wrap flap and apply over installed head flashing.



Other Important Details

- Install wrap "shingle-lap" fashion (with the higher piece lapped over the outside of the piece below).
- Seams/joints between overlapping layers should be handled according to local building codes.
- At roof sections, be careful to lap the building wrap over the entire top of any step flashed areas against the wall.
- Around exterior doors, follow the same flashing procedures as indicated in steps 5 and 6 for windows.
- Valéron Vortec is not intended to perform the function of an exterior siding product and should be covered as soon as possible



Data Sheet

Units

Valéron VortecTM EVD

DRAINAGE EFFICIENCY**	93% Drainage	Exceeds 90% Requirements ICC-ES AC235
THICKNESS*	microns mils	80 3.2 (Base Film)
BASIS WEIGHT*	lbs/msf sq.in/lbs	14.5 9,930
TENSILE STRENGTH* (ASTM D-882)	lbs/in MD lbs/in CD	27 24
TEAR RESISTANCE*	grams	2,500
AIR POROSITY* (TAPPI T-460)	sec/100cc	8.1
MVTR* (ASTM E-96A)	55 gms/m ² /24 hrs @ 50% RH	6.5 US perms
WATER RESISTANCE* (ASTM D-779)		Exceeds 60 min. requirements
SURFACE BURNING CHARACTERISTICS*	Flame Spread Indexed Smoke Developed Value	Class A Class A
USE TEMPERATURE*		200°F Maximum, -70°F Minimum
UV EXPOSURE RATING*	Days	365



*Note: ICC- approved water-resistive barrier (ESR-1609). The information contained in this data sheet is to the best of our knowledge, true and accurate and is presented in good faith.

**Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies.