



EPIC ROOFING SOLUTIONS

HARNESSING THE POWER OF WIND



WHAT MAKES THE ERS VORTEX VALVES SYSTEM UNIQUE?

The ERS Vortex Valves System is different from existing roof vent devices because it uses the Bernoulli and Venturia Principals to capture the dynamic flow of air across the roof's surface to generate low pressure. The vent works with the effects of the wind instead of against it.

Other significant features of the ERS Vortex Valves System include:

- The ERS Vortex Valves System is manufactured from a single ply material that is strong enough to resist excessive wind speeds yet lightweight enough for ease of handling and installation.
- The ERS Vortex Valves System contains no moving parts.
- Use of the ERS Vortex Valves Systems reduces installation time and minimizes the need for traditional fastening methods.
- The unique shape of ERS Vortex Valves System allows it to perform effectively with any wind direction.
- ERS Vortex Valves System technology is the only one of its kind in the world.

CONSIDER THE 5 R OF ROOFING WHEN MAKING YOUR NEXT ROOFING DECISION



1 Refrain:

When you do nothing, wait and see, there will be consequences!

2 Repair:

Make the move to do maintenances on your building. Epic Roofing Solutions has the repair materials.

3 Restore:

Coat your roof. Epic Roofing Solutions has the restoration materials.

4 Retrofit:

Re-cover your roof. Epic Roofing Solutions has the retrofit materials.

5 Replace:

Tear of existing systems and replace with new systems. Epic Roofing Solutions has the replacement materials.

If you Refrain you will Replace and that will cost you \$\$\$\$\$!!!!

HOW TO HARNESSING THE POWER OF WIND



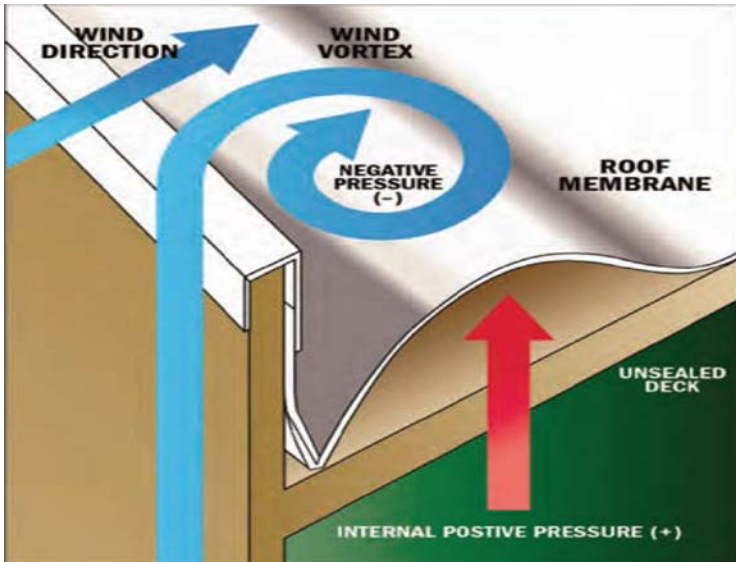
The ERS Vortex Valves System uses the power of the wind to hold the roof securely in place. Based on a recognized principal of physics, the vent creates a vacuum that becomes stronger as the speed of the wind increases. The vacuum pulls the air from under the membrane - drawing it down to the deck and holding the membrane firmly in place. The reality is, destructive uplift pressures are counteracted by a greater vacuum force under the membrane created by the vent. The harder the wind blows the better it works!

By accelerating the wind through this unique design, the vent lowers the pressure under the membrane reducing the need for conventional attachment methods. This revolutionary Venturia vacuum technology is ideal for low sloped roofs in environments with high winds, such as South Florida, and on buildings where fully adhering a membrane is too costly an option.

HOW IT WORKS

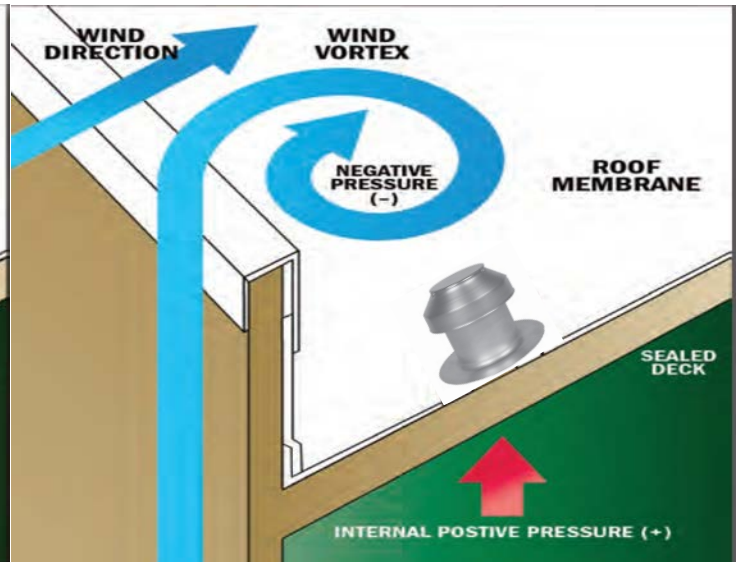
The contractor creates a seal to prevent positive pressure from entering up through the roof system by using ERS Vortex Valves which are strategically placed in the vortex areas to take advantage of the wind generated vacuum pressures and pull air and moisture from under the roof membrane. The suction causes the roof assembly to be vacuum packed to the roof deck. When wind hits a building, the difference between pressures above and below the roof assembly is increased. ERS Vortex Valves roof assembly causes a continual drying of the roof substrate. Wind generated low pressure transferred under the roof membrane causes Water in the roof assembly to vaporize. Water in this gaseous state can then travel under the roof membrane and be drawn out through the ERS Vortex Valves when the wind blows. Should roof damage occur in the future, causing leaks, the Wet roof insulation substrate will dry itself out through the ERS Vortex Valves once the source of the leak has been repaired.

THE PROBLEM



**Mechanically attached
Roofing System**

THE SOLUTIONS



**ERS VORTEX
Roofing System**

WHAT EPIC ROOFING SOLUTIONS, LLC CAN PROVIDE TO YOU All of these apply to the Roofing and Solar Applications.

- Free Roof walkover and evaluation of your current roofing system
- Evaluating the types of systems/manufacturers you wish to install
- Assistance in specifications and details from our manufacturers
- Assistance in working with your current specified or plant engineer
- Assistance in budgeting your projects
- Assistance in monitoring your project
- Assistance in determining the right contractor to install your new Roofing and Solar Applications.
- Help acquire LEED Points
- Assist you in becoming "Green"
- Provide Solar Alternatives
- Help you acquire energy credit

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