



Keeping moisture out of buildings since 1987



**Roof System**

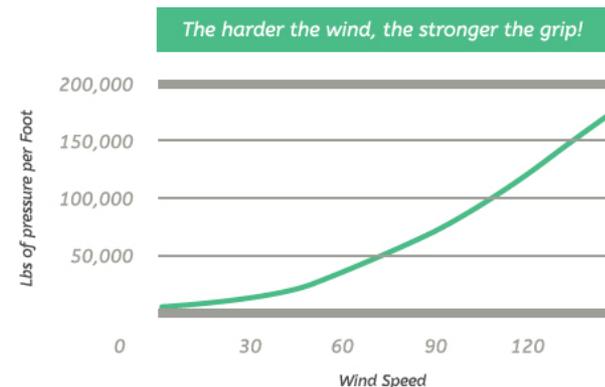
**The Revolution in Low-Slope Roof Systems**

## What is the V2T Roof System?

The V2T Roof System uses the power of the wind to hold the roof securely in place. The technology behind this patented system uses a recognized principle of physics to create 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. In this way, destructive uplift pressures are counteracted by a greater vacuum force created by the vent. The harder the wind blows the better the vent works.

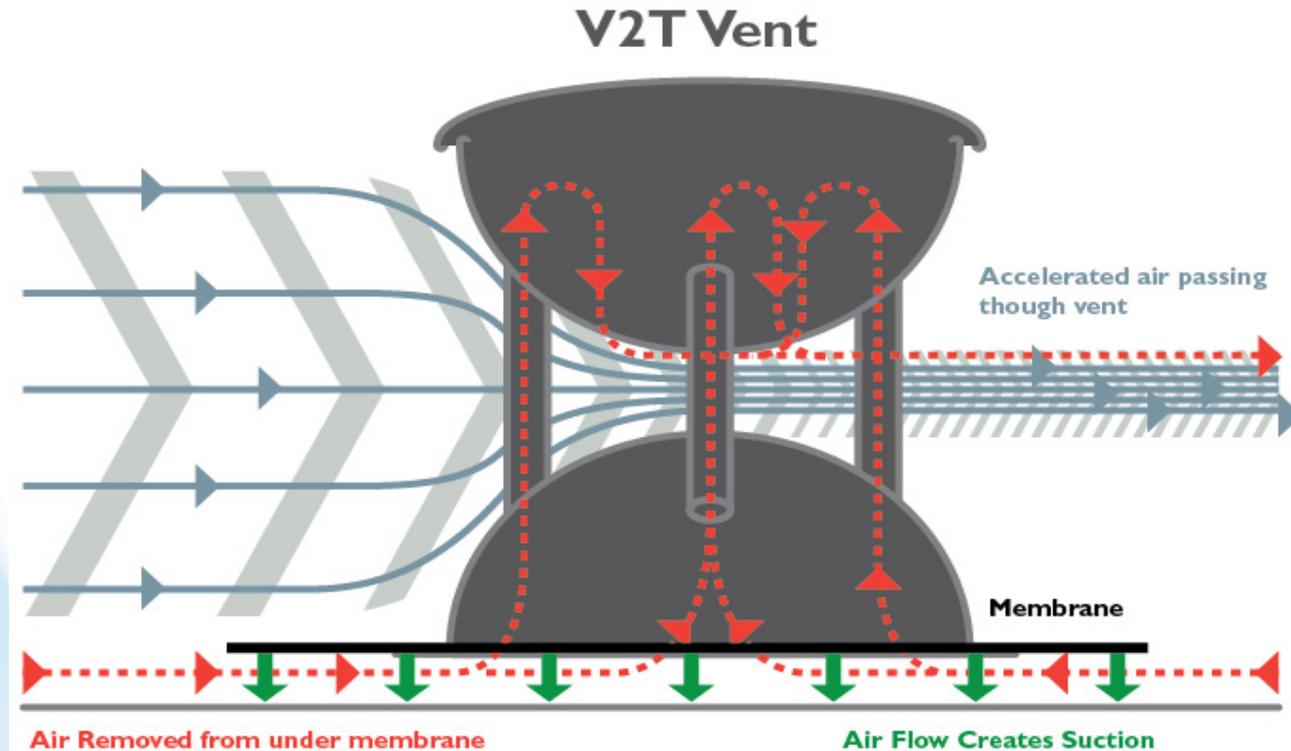
**With V2T, the harder the wind, the stronger the grip!**

V2T has been tested at a NASA facility at the Langley Air Force Base, the Insurance Institute for Business & Home Safety (IBHS) and the Underwriters Laboratory (UL Test), among others, and has been tested to withstand wind speeds of up to 150 MPH.





# VENT How does it work?



The V2T Roof System utilizes a carefully placed series of “vents” which force the wind to create a vacuum that holds the membrane to the substrate without the need for large amounts of ballast, adhesives, or other fasteners. The harder the wind blows across the low slope roof, the harder the “vent” is working on keeping the membrane “glued” to the roof floor.

## V2T Monitoring Technology

Developed in conjunction with Boeing under a prestigious award from the Space Alliance Technology Outreach Program (SATOP), the V2T Roof System utilizes a space sensor technology to monitor and measure:

- The drying effect of the V2T system
- Moisture levels within the membrane
- Pressure levels on the roof
- When and where you have a potential leak or other compromise in your roof.

A sensor located inside the upper hemisphere of the vent transmits readings wirelessly to the data acquisition hub housed inside the building. The data is analyzed and can provide roof owners, consultants, or your contractor with relevant moisture and pressure reports, keeping your roof in the best shape possible.

## Types of Applications

The **V2T Roof System** is a highly versatile roof system that works on:

- Concrete decks (structural & lightweight)
- Gypsum decks
- Existing roof recovery
- Pre-engineered metal roof
- Metal decks
- Commercial flat roofs
- New construction
- Reroofs
- Virtually any sealed deck is an opportunity for a **V2T Roof System**

## Benefits of a **V2T Roof**

- 20 year warranty with leading membrane manufacturers
- Highly competitive in price and technology
- Does not have cold weather limitations for installation, unlike fully adhered systems
- Green technology – Old membranes can be fully recycled, no landfill waste, less VOC's, less toxic adhesives
- Each V2T Vent replaces 7 buckets adhesive; 1000 screws; or 24,000 lbs. of ballast
- Applicable for both new construction & retrofit
- A **V2T Roof System** lasts longer than a traditional applied roof
- Work is completed faster
- Less destruction in and around the building
- V2T Roofs will keep the building and insulation dry
- Application inspection 2x a year with full report (roof system is only sold with a service agreement)
- Competitive pricing for a better, stronger & safer roof



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## V2T for Roof Owners

Whether new construction or repair, concrete or metal, virtually any sealed deck is an opportunity to leverage the V2T system for a longer lasting, more efficient, and lower cost solution.

Because the V2T Roof System leverages the power of the wind for strength, rather than fighting against the wind, it holds better, for longer, and does so without the need for ballast, adhesive and screws. This means:

- A much quicker install
- Reduced exposure to weather during construction
- Lower materials costs
- Easier repairs and maintenance (you can simply cut it loose and reuse insulation)
- Lower total cost over the life of the roof

The V2T roof System actually pulls moisture out from under the membrane reducing the risk of leaks and allowing for installation even if the substrate is moderately moist. Moreover, it comes with a monitoring system that actually reports where moisture may be occurring, thus allowing roofers to target problem areas quickly and efficiently.

## Architects & Consultants

Developed by roofing engineers and tested by Virginia Tech, Underwriter Laboratories (UL), the Insurance Institute for Business & Home Safety (IBHS), and NASA, the V2T roof system has proven time and time again to more effectively withstand weather extremes, cost less, apply more quickly, and serve environmental concerns better than traditional roof systems.

In comparison to traditional roofing methods, the V<sup>2</sup>T vent uses considerably less labor and materials in the roofing installation process and provides a far superior installed product. The unique design of the V<sup>2</sup>T vent uses the wind speed to create a vacuum under the roofing membrane, holding it to the substrate more tightly as the wind increases (Bernoulli's Law).

- Easier and Faster installation
- Extraordinarily reliable/longer-lasting
- Outstanding moisture removal
- Reduced life-cycle
- LEED (Low carbon footprint)
- Solar Ready roof
- Less toxic adhesives/VOC's
- Significant reduction in fasteners, adhesives and labor
- Less stress on membranes-loose laid



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## Featured Projects





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## Contact Us

The V2T Roof System installs faster, cleaner, safer, requires no additional equipment, uses the same top quality membranes (with the same warranties) as any other top system, and in less than ideal weather compared to traditional roofs.

Only V2T Approved Applicators can install the V2T Roof System.

Call us today to learn more!

704-392-0850

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