



## **JOHNS MANVILLE AND WINDSMART® ROOF SYSTEMS**

High-Performance Vented Roof Systems

## Harness the Wind. Build Quality Roofs.

Wind is one of the most destructive forces that can affect a roof. WindSmart Systems® use science by harnessing the wind to achieve more wind-resistant, higher-performing, low-slope commercial roofs. Using a combination of proprietary air-sealing techniques and **WindForce 365®** pressure-equalization vents, the destructive wind uplift forces are offset. The greater the wind velocity, the more secure the field of the roof assembly can become.

A JM/WindSmart Vented Roof System can be configured so the roof is very resistant to wind, rain and hail, with one of the lowest life cycle costs of any commercial roof system in the marketplace.

**WINDFORCE** | **365®**  
EQUALIZATION | VENT

WindSmart System roofs are backed by extensive laboratory testing. WindSmart's

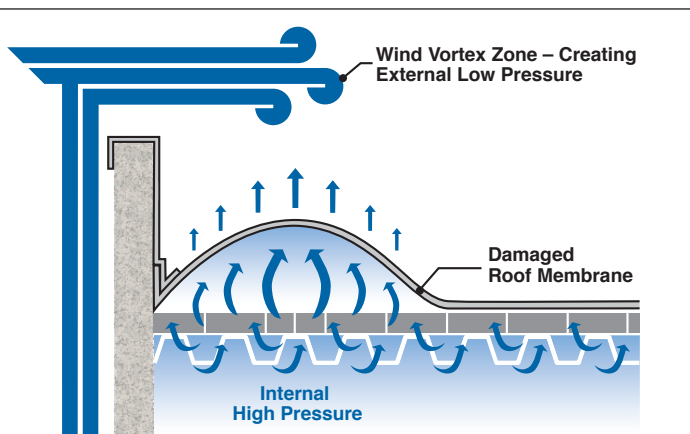
**WindForce 365®**

Equalization Vent is classified by UL for resistance to wind uplift pressures:



- Concrete decks: Up to 495 psf
- Metal decks: Up to 285 psf
- Wood decks: Up to 210 psf

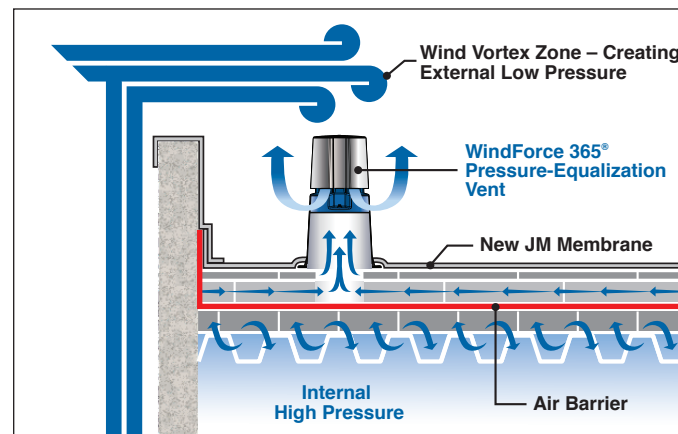
### Traditional Roof Systems



**Wind currents constantly work against the integrity of traditional roofs.**

When wind hits the side of a building, it creates an updraft. When it meets the horizontal air stream, the updraft tumbles, creating a horizontal vortex. This wind vortex creates an external low pressure on the roof.

### JM/WindSmart Roof Systems



**WindSmart roofs use wind currents to “vacuum-pack” the entire roof and underlying structure.**

Using an air-tight substrate design, wind-generated low pressures pull air and moisture from under the roof membrane, up through and out the strategically placed equalization vents. A suction is created, pulling the roof membrane tightly against the substrate, resisting wind uplift.





---

## Key Benefits of the JM/WindSmart® Vented Roof System



### Weather-Resistant

---

#### Greater protection from wind and weather elements.

Weather-resistant roofs require a combination of proper configuration, quality materials and professional installation. The JM/WindSmart Vented Roof System offers weather protection from wind, rain and hail.



### Entrapped Moisture Removal

**A roof that can remain dry – long term.** The system is laboratory-tested and field-proven to remove potential future moisture. Ensuring a dry roof is the key strategy for roof longevity and maintains high thermal values.



### Cost-Effective

---

#### Lower life cycle costs.

A JM/WindSmart System can provide low initial cost on large open roofs and difficult-to-fasten decks (tectum, gypsum and concrete). When combined with long-lasting JM products, the system can achieve lower life cycle costs.

---

### Patented *WindForce 365®* Equalization Vent

WindSmart's patented WindForce 365® Equalization Vent offers one of the highest-performing vented roof systems in the industry. WindSmart's technical experience supports its expansive library of air seal techniques and options, which are designed to provide high-performing vented roof assemblies.







JM/WindSmart Vented Roof System  
600,000 sq. ft., JM TPO 60 mil



JM/WindSmart Vented Roof System  
167,000 sq. ft., JM TPO 60 mil





## **JM/WindSmart® Vented Roof System backed by Johns Manville Peak Advantage® Guarantee.**

### **Superior Warranty Solution.**

Johns Manville offers the Peak Advantage® Guarantee, one of the most comprehensive guarantees in the roofing industry. That's the advantage you can expect from a financially stable, dependable leader that has been around for over 160 years.

### **Nationwide Network of Contractors.**

JM products are installed by independent, professional roofing contractors who are experienced in commercial roofing installations. JM has a nationwide network of Peak Advantage® contractors who are approved to offer the JM Peak Advantage® Guarantee.





## JM/WindSmart® Vented Roof Systems

JM/WindSmart Vented Roof Systems combine Johns Manville's high-quality roofing products with the innovative WindSmart vented roofing assemblies, providing you with a cost-effective, quality roofing system for large roofs. By bringing WindSmart and the JM Peak Advantage® Guarantee together, we can offer high-level performance products and one of the strongest and most comprehensive guarantees in the industry.



For more information, contact your local  
Johns Manville representative.





800.329.8410 (toll-free)  
[jmventedroofs@windsmartroofs.com](mailto:jmventedroofs@windsmartroofs.com)  
[www.windsmartroofs.com](http://www.windsmartroofs.com)