

ROOF SUSTAINABILITY



Proven Roof Sustainability Strategy

Roof waste streams are a significant factor in the overloading of landfills. Each year nearly 136 million tons of building construction and demolition-related debris are generated, according to estimates from the U.S. Environmental Protection Agency. The U.S. Green Building Council has stated that this debris accounts for up to 40 percent of all solid waste in the U.S.

Designed to keep roof insulation dry and out of the landfill for the life of the building, the WindSmart vented roof system offers a positive approach to negative environmental impact with cost-saving solutions.

This key approach to the resiliency, reusability and recyclability of roof materials allows the unique combination of a quality, single ply membrane with WindSmart vented roof systems to be continually recycled for long-term, sustainable benefits.

Reducing Environmental Impact, Enhancing Customer Economic Value and Assuming Social Responsibility

The vent system's ability to remove entrapped moisture allows existing and new roof assembly materials to remain dry and reusable. By keeping roof assemblies dry and in place, future tear-off can be avoided resulting in the highest level of roof sustainability.

WindSmart vented roof systems are loose-laid, therefore the ease of future membrane removal for additional roof assembly recycling offers cost and labor savings benefits. This "low waste" practice—allowing for the lowest life cycle cost of the building—is a game changer.

WindSmart is committed to offering sustainable, cost-saving solutions for energy-efficient and environmentally-friendly roof assemblies.

THE FRAMEWORK OF SUSTAINABILITY



Key Benefits of a WindSmart Vented Roof System



Environmental Stewardship

A sustainable long term solution. Roof waste streams are a significant factor in the overloading of landfills. By keeping roof components dry, existing roof assemblies can be recycled in place to minimize the need for future tear off.



High Weather Resistance

Greater protection from wind and weather elements. Weather resistant roofs require a combination of proper configuration, quality materials and professional installation. The WindSmart System can achieve one of the highest level of weather protection from wind, rain and hail.



Entrapped Moisture Removal

A roof which 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, high thermal values and the ongoing recyclability of commercial roof assemblies.



Most Cost-Effective Solution

Lowest life-cycle costs. A 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, quality roofing materials, the system can achieve some of the lowest life cycle costs in the marketplace.

Patented WindForce 365® Equalization Vent

WindSmart's patented **WindForce 365®** Equalization vent offers the most technologically advanced vented roof system in the marketplace. WindSmart offers the broadest array of air seal techniques with standardize processes to ensure superior performing roof assemblies.



The WindSmart® Vision

By harnessing the destructive forces of the wind, we will build quantifiably superior roofs. WindSmart® roof systems can be constructed to be more weather resistant to wind, rain, and hail and can

remove entrapped moisture to avoid future tear off. WindSmart Approved Applicators install these roof systems cost effectively with lowest life-cycle costs of any commercial roof system in the marketplace.



Technologically-Advanced
Air-Sealed, Pressure-Equalized
Commercial Roof Systems®

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