

ABC Building Supply Lenexa, KS



ABC Building Supply was founded in Beloit, WI in 1982 and started with 3 locations. Over the years they have greatly expanded their business becoming the leading roofing material distributors in the country. As of 2020 they now have over 800 locations nationwide.

This building originally had a gabled metal panel roof that had been retrofitted with an EPDM. The EPDM had reached the end of its life and the building owner was looking for the most cost-effective single ply replacement. As a distributor of roofing materials, the owner was highly knowledgeable of the various options for reworking the roof. With the assistance of a local WindSmart Applicator, they implemented a WindSmart System recover design. Leaving the EPDM roof in place, the contractor installed an air sealed, pressure-equalized thermoplastic membrane over the EPDM. The perimeter and penetration attached the membrane and air seals to the structure of the building with purlins fasteners. The field of the roof was loose laid and secured with WindSmart patented pressure equalization vents.

The new roof assembly was applied and installed to achieve:

- Code compliance with wind uplift resistance engineered to ASCE7-16 standards
- Most cost-effective retrofit system because of reduced fastener and associated labor costs.
- A high level of environmental stewardship by recycling the existing roof material in place vs creating large landfill waste streams.

Owner:

ABC Building Supply

Roofing Contractor:

Farha Roofing

Square Footage:

50,000 sq. ft.

Material and Technology:

60mil thermoplastic membrane,
Air-Sealed, Pressure-Equalized

Year Completed:

2022

Contact:

WindSmart, Technologically-Advanced Roofs
Des Moines, Iowa
(800) 474-8186 (toll free)
www.windsmartroofs.com



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

Key Benefits of the 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 assemblies dry and in place long term, the normal practice of continual tear-off can be avoided.



High Weather Resistance

Greater protection from wind and weather elements. Highly weather resistant roofs require a combination of proper configuration, quality materials and professional installation. The WindSmart Vented Roof System can achieve 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 any future entrapped 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. The WindSmart System can significantly lower initial roof replacement costs. With WindSmart, it is possible to produce the lowest life-cycle cost roof assembly in the marketplace.

WindSmart is driven to support your needs

■ Offering comprehensive technical support

We understand that every project is unique. WindSmart works to understand your needs. We utilizes standardized practices to deliver customized recommendations that are tailored to meet your specific project goals.

■ Making your job less difficult

WindSmart provides standardized drawings and value-added services to support the proper installation of the WindSmart system. Our goal is an installed system that performs to everyone's expectations.

WindSmart® Patented WindForce 365® Equalization Vent

WindSmart's patented WindForce 365® Equalization Vent offers the highest performing vented roof system in the industry. WindSmart's technical experience and expansive library of air seal techniques and options are designed to achieve superior performing vented roof assemblies.

