

CoorsTek Golden, CO



Founded in 1910 and headquartered in Golden, Colorado, CoorsTek, is a family owned and operated global manufacturer of engineered ceramics. With more than 30 facilities across three continents, five million square feet in manufacturing space, and more than 6,000 team members.

In 2021, CoorsTek began the process of looking for solutions to reroof their Golden Colorado facilities. The first phase building included a building with two existing roofs already in place. Based on IBC codes, CoorsTek was told that coatings or complete tear off were their only options. CoorsTek felt that a new single ply membrane with long-term warranty would be better than a coating solution. But, tearing off the existing roofs risked potential disruption to their daily production and sending all the perfectly good insulation to the land fill did not meet CoorsTek's sustainability goals.

One of the contractors CoorsTek spoke with was a WindSmart Approved Applicator. They provide an option for a more cost effective WindSmart System. The WindSmart system would allow CoorsTek to reskin the roof with a new membrane system secured with a WindSmart venting system. By working together with the local building code official and a structural engineer, WindSmart and the Applicator were able to easily gain the approval for a 3rd roof recover. The contractor also applied WindSmart enhanced wind uplift details to meet Golden Colorado's elevated (150 MPH) wind speed requirements.

The new roof assembly was designed and installed to achieve:

- Local code official's acceptance of a WindSmart System for a recover application to achieve IBC code acceptance even when two roofs are present.
- System applied for high wind resistance to meet the City of Golden, CO elevated 150 MPH wind speeds requirements.
- Environmental Stewardship – a system that aligned with the owner's sustainability commitments through the practice of recycling existing roof materials and insulation in place versus the wasteful practice of tear off and landfill.

Owner:

CoorsTek

Roofing Contractor:

WindSmart Approved Applicator

Square Footage:

101,962 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.

