

VACUSEAL™

Vent Secured Roofing Systems

CASE STUDY

From Disaster to Durability: The VacuSeal Solution in Action



JOB PROFILE

PROJECT LOCATION:
Tulia, TX

AUTHORIZED APPLICATOR:
Morgan & Myers Roofing

ROOFING SYSTEM:
VacuSeal® Vent Secured Roofing
System with Sure-Weld® 16' TPO

BUILDING TYPE:
Office/Warehouse

ROOF SIZE:
14,200 sq. ft.

WARRANTY:
20-year NDL/80 mph wind rating

When a severe West Texas windstorm tore off the existing roof of the Swisher Electric Co-Op, the company faced a critical situation. Torrential monsoon rains soaked the exposed deck and allowed water into the building, forcing operations to halt. The contractor, Amarillo-based Morgan & Myers Roofing, needed a fast and reliable solution that could stand up to the region's harsh wind conditions — and VacuSeal proved to be the answer.

Products and Installation

The new assembly included VapAir Seal™ 725TR Air and Vapor Barrier over the existing concrete deck, an EPS tapered insulation system, and a ½" DEXcell® cover board. A 16-foot-wide, 60-mil TPO membrane was installed using the VacuSeal Vent Secured Roofing System.

High winds and recurring rain made the installation particularly challenging. The team sealed each section daily to keep water out, ensuring that operations at Swisher Electric could resume as quickly as possible. The crew used sandbags to temporarily hold tarps in place while allowing the lightweight concrete to dry between storms.

Despite frequent 50-mph winds and daily rain, the eight-person crew completed the 14,200-square-foot installation in just four days, roughly 30% faster than a traditional adhered system would have taken.

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Authorized Applicator Perspective

"The crew was skeptical at first, but watching the system tighten up as the last vents were welded in place was impressive," said Tyler Lang from Morgan & Myers Roofing. "We saved money on adhesives, it allowed us to use of single layer of EPS for insulation and tapered, and it cut installation time down by approximately 30%. It's a system we'll definitely use again." He added, "It's faster and less expensive than a fully adhered option for most projects. This was the first VacuSeal project in West Texas and it's perfect for this high-wind area."



Results and Outcome

The VacuSeal system provided measurable benefits, including a 30% reduction in installation time, lower material costs, and superior wind performance. Swisher Electric was particularly impressed by the 80-mph wind warranty, which offered confidence after their prior roof failure.

The building owner summed it up by saying,

“ The **VacuSeal system** delivered exactly what we needed: **reliability, speed, and peace of mind.** ”

