



SIKA AT WORK BAYER MUSEUM OF AGRICULTURE LUBBOCK, TEXAS

Décor Roof System USING 60 MIL Sarnafil®
G410 FELTBACK MEMBRANE IN LIGHT GRAY

Sarnafil

BUILDING TRUST



BAYER MUSEUM OF AGRICULTURE ROOF REAPS COMPLIMENTS

When the Bayer Museum of Agriculture in Lubbock, Texas, built a new addition featuring two faux grain silos, there was some concern about making the roofs of the silos look authentic. “The original plan was to use corrugated metal like those used on real grain silos, but that posed problems with insulation and leaks,” explained Devin Sherman, formerly an estimator/BIM manager at Lee Lewis Construction of Lubbock, the general contractor for the project. “Silo roofs are meant to breathe because grain should not be stored in airtight buildings. But this building was to be used for exhibits and events, so we needed a roof that was air and watertight. That would be difficult to do with the corrugated metal.”

It was serendipity that helped the museum find a solution. Merit Roofing Systems of Richardson, Texas, was exhibiting at a trade show in Austin, and happened to be near the booths of Lee Lewis and MWM Architects of Lubbock, the architect working on the museum addition. Merit Roofing gave them a demonstration of the Sarnafil Décor Roof System, and both the contractor and architect had an “Aha!” moment.

The Décor Roofing System combines Sika’s G410 thermoplastic single-ply roofing membrane with Décor profiles to give the appearance of a standing seam metal roof – and thanks to its watertight seams, the durability of this system is unmatched. It is one of the only roofing

systems of this type that includes warranty coverage for the hot-air welded ribs that give the roof the appearance of metal.

“We had considered a standing seam metal roof, but that was cost-prohibitive,” said Jason R. Moore, principal at MWM Architects. “The Décor system was definitely a more economical solution, especially in terms of thermal values and durability. Plus it would give us the look we wanted.”

“The general contractor and architect saw this as a good way to use modern materials and still get an authentic look,” added Eric Staggs, project manager at Merit Roofing. Staggs had been pleased with the Décor system in past installations, and was impressed with the fact that it was a Sarnafil membrane. “As far as a roofing system goes, I don’t know that there is a better single-ply available,” he commented.

Another advantage of the Décor system is that the flat roof portions of the addition, originally specified to be a TPO system, could also be installed with the Sarnafil membrane, which meant a single-source warranty would cover all portions of the roof.

A ROUNDABOUT INSTALLATION

As might be imagined, installing the roofing system on the conical roofs of the silos was not an easy task. “There were a lot of scratch paper, erasers and calculators involved in figuring this out,” Staggs

PROJECT

Bayer Museum of Agriculture
Lubbock, Texas

OWNER

Bayer Museum of Agriculture

ROOFING CONTRACTOR

Merit Roofing Systems, Inc.
Richardson, Texas

GENERAL CONTRACTOR

Lee Lewis Construction
Lubbock, Texas

ARCHITECT

MWM Architects
Lubbock, Texas

ROOFING SYSTEM

Sarnafil Décor Roof System using 60 mil
G410 feltback membrane in Light Gray

PROJECT SIZE

15,885 square feet

COMPLETED

March, 2014





remarked. “All the pieces of the roofing membrane had to be measured and cut into pie-shaped pieces to wrap around the cone.”

The Décor profiles were then painstakingly placed to provide the look of a standing seam metal roof. “Not only did the profiles need to be perfectly spaced and aligned, but they also needed to conceal the seams in the membrane,” Staggs said.

One problem Merit Roofing faced concerned the peaks of the two silo roofs. “Because of the shape of the roof, the profiles couldn’t just run to the peaks or it would be a jumbled mess,” Staggs pointed out. “A Sika representative suggested we build a small circular platform on the very top and run the profiles up to that. That gave us a nice clean termination.”

“The geometry of putting the profiles over the seams and over a cone posed some challenges, but Merit Roofing made it seem like this wasn’t a problem at all,” Sherman said. “That’s why we love working with Merit Roofing. They always go above and beyond and the quality of their installations is top-notch.”

It was this professionalism and attention to detail that earned Merit Roofing third place in the Steep Slope Category of Sika Sarnafil’s 2014 Project of the Year competition.

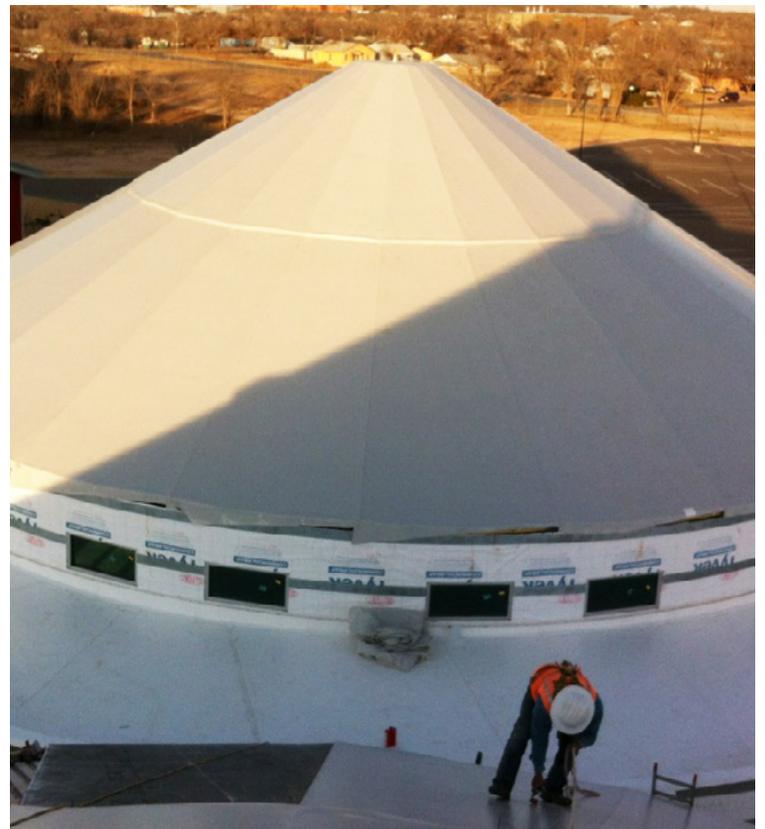
“EXCEEDED OUR EXPECTATIONS”

Today, the Bayer Museum of Agriculture is host to numerous exhibits, events and functions, and is on its way to becoming a Lubbock landmark. Fortunately, the Décor system has “exceeded” expectations on presenting the authentic look of grain silo roofs. “At first we were skeptical that the roof would give us the look we desired but it looks like an older, galvanized roof, which is exactly what we wanted,” Sherman stated.

Lacey Hoetling, executive director at the Bayer Museum of Agriculture, said she is very happy with the roof’s performance and appearance. “We have received a lot of compliments from visitors and people in the community about the roof, and have had no problems with leaks.”

“I was really impressed with the Décor system,” Moore commented. “The performance has been great and the aesthetics were exactly what we were striving for.”

Sherman added that his experience with this installation has led him to consider the Décor system whenever a metal roof is specified. “The Décor system promised the look of a standing seam metal roof but with a better price, better warranty and better insulating values,” Sherman said. “It turned out to be a win/win situation.”



BAYER MUSEUM OF AGRICULTURE



WHO WE ARE

The commercial roofing industry has relied on thermoplastic single-ply membranes from Sika for more than 50 years to achieve sustainable roofing and waterproofing solutions.

Sika is a globally active specialty chemicals company. Sika supplies the building and construction industry as well as manufacturing industries (automotive, bus, truck, rail, solar and wind power plants, facades). Sika is a leader in processing materials used in sealing, bonding, damping, reinforcing and protecting load-bearing structures. Sika's product lines feature high-quality concrete admixtures, specialty mortars, sealants and adhesives, damping and reinforcing materials, structural strengthening systems, industrial flooring as well as roofing and waterproofing systems.

Our most current General Sales Conditions shall apply.

Please consult the Product Data Sheet prior to any use and processing.
ISO 14001: 2004-Compliant

ENERGY STAR® for roofing products is only valid in the United States

ENERGY STAR is a trademark of the U.S. EPA.

LEED® is a trademark of the U.S. Green Building Council.

Green Globes® is a trademark of the Green Building Initiative



SIKA CORPORATION • ROOFING

100 Dan Road • Canton, MA 02021 • USA

Tel: 781-828-5400 • Fax: 781-828-5365

usa.sarnafil.sika.com

Sarnafil

BUILDING TRUST

