

Proven Performance



A Sarnafil roof was installed on Robbins Hall at the University of California campus in Davis and is still providing protection after 29 years.

Projects

Brookshire Grocery Company

Tyler, Texas

Roofing System: Sarnafil® G410 and S327

Year Installed: 1980

Years Exposed: 30

Copps Coliseum

Hamilton, Ontario, Canada

Roofing System: Sarnafil S327

Year Installed: 1984

Years Exposed: 26

Pitman Company

Woburn, Massachusetts

Roofing System: Sarnafil G410

Year Installed: 1978

Years Exposed: 32*

(Replaced in 2010 – with yet another Sika Sarnafil roofing system)

Robbins Hall, UC Davis

Davis, California

Roofing System: Sarnafil G410

Year Installed: 1981

Years Exposed: 29

Sarnafil Roofing Systems Continue to 'Stand the Test of Time'

Sika Sarnafil delivers durable, long-lasting vinyl roofing systems – and the company has the 'real-world' experience to prove it.

In 2001, Sika Sarnafil studied roof samples from 25 of the company's oldest roofs from all across North America, from all regions and climates. The average age of the samples examined was 19 years. These samples were tested by Canada's National Research Council for thickness, tensile strength, elongation, linear dimensional change, low temperature flexibility, and seam strength. Tests were conducted according to ASTM 4434, the standard for vinyl roofing membranes established in 1984.

Virtually all of the Sarnafil® roof samples tested in 2001 continued to meet minimum thickness standards and the requirement for linear dimensional change (shrinkage). Nearly three-quarters passed the cold temperature flexibility test conducted at -20°C / -4°F (membrane folded onto itself at 180°), and seam strength was unchanged.

These test results were truly impressive for roofs of this age. Most importantly, all of the roofs sampled were still providing leak-free protection for the building owners. Significantly, each of the roofs was still

capable of being welded to new vinyl membrane, if necessary.

Flashing Forward to 2010

Recently, Sika Sarnafil surveyed four of the older roofs involved in the original study to determine how the roofs were performing some nine years later. Included were the Brookshire Grocery Company in Tyler, Texas; Copps Coliseum in Hamilton, Ontario; Pitman Company in Woburn, Massachusetts; and Robbins Hall at the University of California Davis. All four roofs have performed admirably for more than 25 years – a real testament to Sika Sarnafil's product quality.



Sika®

Sarnafil®

“As far as I’m concerned, there is no equal to this roofing system. If it were up to me, this is the only roofing system I would ever use.”

— **Ken Reeves**

Facility Maintenance Technician, Brookshire Grocery Company, Tyler, Texas
Sarnafil Roof System Installed 1980



The Sarnafil roof on the Copps Coliseum in Hamilton, Ontario, is still on the job after 26 years.



Brookshire Grocery Company has had the same Sarnafil roofing system protecting its Tyler, Texas warehouse and manufacturing facility for 30 years.

Older Sarnafil Roofs Revisited

“I have been quite pleased with the performance of the roof, which has been in service for more than 25 years. In fact, we’re hoping to get another five years out of our Sarnafil roof.”

— **Brad Calder**

Director of Operations

Hamilton Entertainment and Convention Facilities, Inc.

Copps Coliseum, Hamilton, Ontario

Sarnafil Roof System Installed 1984

Brookshire Grocery Company

Ken Reeves, facility maintenance technician at Brookshire Grocery Company, has been maintaining the 500,000 square-foot Sika Sarnafil roof on the Southwest Foods division warehouse and manufacturing facility in Tyler, Texas since the day it was installed in 1980. The roof consists of a G410 48 mil adhered Sarnafil system over the freezer section, and a S327 48 mil Sarnafil mechanically attached system on the rest of the roof.

“You can’t ask for a better roofing system – I love it,” Reeves stated. “The main advantage of the Sika Sarnafil roof is the longevity of the material and ease of repair – you just heat-weld a patch of the membrane to the repair and you are done.”

Reeves said another benefit of the Sika Sarnafil roof is that it is energy efficient. Brookshire Grocery prepares ice cream, baked goods and cut fruit in this facility, so keeping the temperature cool inside is vital. “Before this roof we had a

hot-tar and gravel roof, which absorbed the Texas heat,” he explained. “We used to run 36 intake and exhaust fans – but since the Sika Sarnafil roof was installed we haven’t needed them at all.” He added that even in areas that are not air-conditioned, the building stays very comfortable.

Ease of maintenance is another advantage of the Sika Sarnafil membrane. “I’ve worked on some other roofs where we were spending 20 to 40 hours a week fixing leaks,” Reeves said. “With the Sika Sarnafil roof I only have to go up once every two or three months for routine maintenance.”

Reeves expects many more years of worry-free performance from the Sika Sarnafil roof. “As far as I’m concerned, there is no equal to this roofing system,” he remarked. “If it were up to me, this is the only roofing system I would ever use.”





Pitman Company facilities in Woburn, MA, relied on a Sarnafil roof for 32 years and just recently replaced the long-serving system in 2010 – with another Sika Sarnafil system.

Copps Coliseum

The Copps Coliseum in Hamilton, Ontario, is home to the American Hockey League's Hamilton Bulldogs, and also the venue of many other sporting events and concerts. It has featured a S327 48 mil mechanically attached Sarnafil roof since the arena was built in 1984.

"I have been quite pleased with the performance of the roof, which has been in service for over 25 years," said Brad Calder, director of operations at Hamilton Entertainment and Convention Facilities, Inc. (hecfi.ca), which operates and manages Copps Coliseum. "In fact, we're hoping to get another five years out of our Sarnafil roof."

Calder added that he has seen some modified bitumen roofs installed and later replaced during the time the Sarnafil roof has been on the Copps Coliseum. "It certainly has been surprising to people around here that this roofing system has lasted so long and outlasted these other roofs," he remarked.

He also likes the low maintenance of the Sarnafil roofing system, "There is not much maintenance required, other than ensuring that the perimeter area drains and gutters are cleaned," Calder stated.

Sika Sarnafil representatives have also played a role in the longevity of the roof. "They have been fantastic to deal with," he explained. "They come out every two or three years to take a sample of the roof and see how it is performing. It's reassuring that they are able to give me a good assessment of how long this roof will last."

When the time comes to replace the Copps Coliseum roof, Calder said he would "most certainly" replace it with another Sika Sarnafil roof. "In fact, I would also consider using Sika Sarnafil systems on other roofs."

"This roof has completely exceeded my expectations! I see other roofing systems that only last 15 or 18 years – but the Sarnafil roof on Robbins Hall has lasted almost twice as long as that. In fact, it is performing as well as some of the other new roofs on campus."

– **Sean Snyder**
Project Manager

UC Davis, Davis, California
Robbins Hall, UC Davis
Sarnafil Roof System Installed 1981

Pitman Company (Formerly Charrette)

In 1978, Charrette, an art and architectural supply company, built an expansive facility to house its corporate headquarters, a retail store, and a warehouse in Woburn, Massachusetts. In 2006 Charrette was acquired by Pitman Company, but the Sarnafil G410 roofing system was still going strong. In fact, the 120,000-square-foot roof performed well for 32 years before finally being replaced in 2010 – with another Sika Sarnafil roof, of course.

“I have never heard of a roof lasting that long,” said Roy Demmons, a former facility manager for Pitman. “That longevity really speaks to the quality of the product. I know other people who manage other buildings, and those with Sika Sarnafil roofs never have a problem with them.”

Demmons said that one of the major benefits of the Sika Sarnafil roofing system was that it made his job “a lot easier. I didn’t have to go around chasing leaks, because there weren’t any,” he explained. He also said that the Sika Sarnafil people were “excellent” to deal with. “They always helped us out and definitely stand by their product.”

The reflectivity of the light-colored membrane is another benefit, according to Demmons. “If we had a black roof it would be very hot inside!” he remarked.

Overall, Demmons was very pleased with the performance of the old roof, and expects another long-lasting, low maintenance roof with the new Sika Sarnafil system. “I don’t know what their secret ingredient is that makes their product so good, but I would absolutely recommend Sika Sarnafil roofing systems to other people,” Demmons added.

Robbins Hall — UC Davis

Sean Snyder, project manager at the University of California at Davis, works with 1,000 buildings on the college campus. “We have almost every single type of roofing system installed here – it is like a roofing laboratory,” he explained. “I can see which systems work and which don’t.”

One roof that has been working well – for 29 years – is the 19,000-square-foot Sarnafil G410 48 mil adhered membrane on Robbins Hall, which houses laboratories. “This roof has completely exceeded my expectations!” Snyder stated. “I see other roofing systems that only last 15 or 18 years – but the Sarnafil roof on Robbins Hall has lasted almost twice as long as that. In fact, it is performing as well as some of the other new roofs on campus.”

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– Roy Demmons Former Facility Manager

Headquarters Building
Pitman Company (Formerly Charrette)
Woburn, Massachusetts
Sarnafil Roof System Installed 1978

Snyder added that there are about 15 Sika Sarnafil roofs on campus, and they are all performing well. “I think the PVC roofing system is head and shoulders over the TPO roofs,” he stated. “Every TPO roof on campus has problems, but I’ve never had an issue with a Sika Sarnafil roof.”

“Sika Sarnafil people do come out on occasion to see how the roof is doing, and they have always been very friendly and easy to get along with,” he added. That, in combination with the longevity and top performance of the Sika Sarnafil systems, is why Snyder recommends Sika Sarnafil every chance he gets.

“When the Housing Department is doing a reroofing project and comes to me, they know I’m going to tell them to use a Sika Sarnafil roofing system,” he said. “It is the de facto campus standard. It’s a very good product. Whatever they are doing, they should keep doing it.”

Longevity Leads to Sustainability

Long-lasting roofs need to be removed and replaced less frequently, providing lower life cycle costs and thus reducing the amount of waste destined for landfills. In addition to the real-world longevity analysis highlighted here, independent scientific research organizations have also verified that Sika Sarnafil roofs last for decades.

The British Board of Agrément (BBA) did an independent analysis in 2008 and issued a certificate stating that “...the durability of Sarnafil membranes...should have a life in excess of 35 years.”

A Long Life ... and A Life After

Vinyl roofing membranes can be recycled when they have reached the end of their lengthy service life. Sika Sarnafil has successfully reprocessed millions upon millions of pounds of vinyl membrane into raw material suitable for use in the manufacture of new membrane products.

Selecting a roofing system should be a long-term decision based on choosing the best value. Sika Sarnafil’s quality roof systems have withstood weathering, stress, and the elements to provide exceptional service for building owners worldwide – a claim that has been proven through the ‘Test of Time.’

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