



SPF
ROOFING
Tomorrow's Roof Today

S U S T A I N A B L E P E R F O R M A N C E

"The SPF roof stopped all leaks and reduced our energy bill by an average of \$464,000 per year on this million square foot reroof."

M. M. Forrester
Ford Motor Company



The University of West Virginia chose SPF for the 174,000 sq. ft. roof of the Evansdale Coliseum (above, cover). The SPF roof was installed in 1975 and recoated in 1991.



Ford Motor Company

The Superdome was built with a SPF roof in 1974. In 1989 the roof was recoated and continues to provide leak free service.

Louisiana Superdome



"The performance of our SPF roof has been quite remarkable. It is lightweight and maintains easily. We have had less problems overall with it than other roofs on site"

Danny Vincens
Vice President of Engineering
Louisiana Superdome



What Is Sustainable Low-Slope Roofing?

As defined by Oak Ridge National Laboratories (ORNL)

Addresses the issue of energy efficiency

Has low environmental impact & embodied energy

Durable with less maintenance

Reduced waste generation throughout life cycle from:

Design

Construction

Reuse

Final disposal

Side-by-side comparison:

These roofs offer visual evidence to SPF's energy efficiency. The conventional roof on the right allows heat to escape through the surface (melting the snow). The SPF roof on the left keeps the heat inside the building, yielding higher thermal efficiency and lower energy costs throughout seasonal changes.

Some roofing systems claim
to be recyclable

SPF The Answer

SPF systems
are actually renewable

Highest Energy Efficiency
Virtually Leak Free
Easily Maintained
Usually No Tear-off Or Disposal
Can Be Renewed Inexpensively



Honeywell, Phoenix, Arizona

"There now is sufficient evidence to demonstrate that SPF roof systems - when properly manufactured, designed, and installed - can perform side by side with any roof system."

William Good
Executive Vice President
Nat'l. Roofing Contractors Assoc.

*"With a decent recoating schedule ...
...a foam roof can last for decades."*

Dick Fricklas
Technical Director Emeritus
Roofing Industry Educational Institute

National Roofing Foundation

NRF Survey: SPF Roofs

140 Roofs surveyed

Median age 12 years / average age 12.3 years

Oldest roof, still performing after 27 years

Only 3 owners (2%) reported leaks

Test Area:

To ensure the data represented the widest area and range of environmental conditions, the NRF study included SPF roofs in California, Texas, Wisconsin, Illinois, New Jersey and New York.

"The field data arrived from the NRF study demonstrates that SPF roofing systems provide long term performance and sustainability"

Dr. René M. Dupuis
Structural Research, Inc.



27 year-old SPF roof

This SPF roof in an industrial park in upstate New York (above) has received virtually no maintenance in the twenty-seven years since its initial installation.

"After applying over 6 million square feet at this location I can state there are virtually no problems with our SPF roofs."

Ray Oaks
Facilities Engineer
GE Appliance Park



Fruit of the Loom, Leesburg, Alabama

"I have worked with built-up asphalt, single-ply and SPF roofing. SPF is far superior to other roofing systems..."

Robert T. Stetson
Staff Facility Engineer
NEC



Virginia Convention Center Pavilion

Constructed with a SPF roof in 1979, this quarter-million square foot application was recoated in 1994.

Where can additional information be found?

The Spray Polyurethane Foam Alliance has amassed a tremendous library of information on SPF systems. The SPFA provides training courses which can lead to accreditation.

For a video or more information, including application guidelines and technical bulletins, call SPFA (800) 523-6154, request SPFA stock #AY-130.

The National Roofing Contractors Association has an extensive section on SPF roofing in the current NRCA Roofing and Waterproofing Manual. To order copies call (800) 323-9545.

Cover photo: West Virginia University Coliseum

The Renewal Process: Scarification

This SPF roof had been applied utilizing an improper coating. A process called scarification removed the failed coating.



Photos courtesy Dr. René Dupuis, National Roofing Foundation

A fresh pass of foam and new coating has been applied, sustaining the performance of the roof.



As landfill fees are projected to skyrocket, building owners need to factor in removal and disposal costs when considering roof systems that have a definitive life expectancy.

Weathering The Storm: Durability

This SPF roof in Puerto Rico remained leak free during the ravaging winds of Hurricane Hugo. Being fully adhered, SPF provides excellent protection where high winds are prevalent.



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