

The logo for Roof-Tek is a dark blue, rounded rectangular badge with a slight 3D effect. It features the brand name "Roof-Tek" in a large, bold, white sans-serif font. Below the brand name, the text "Technical Roofing Solutions, Inc." is written in a smaller, white sans-serif font.

Roof-Tek[®]
Technical Roofing Solutions, Inc.

SPRAYED POLYURETHANE FOAM (SPF)

THE ULTIMATE SOLUTION FOR ROOF INSULATION

ROOF-TEK'S® SPRAYED POLYURETHANE FOAM (SPF)

Nothing hits your overhead like a leaky roof. In addition to unbudgeted roof repairs, it can damage your building's contents and even deteriorate the structure's stability. Luckily, the Roof-Tek® Sprayed Polyurethane Foam (SPF) Roof System doesn't just stop leaks – it prevents them. By eliminating water entry points, Roof-Tek's® SPF Roof System provides peace of mind and protects your overhead.

The SPF Roof System's superiority is in its "closed cell" combination of properties that, when spray applied, forms a monolithic barrier against water entry. As a self-flashing system, it eliminates seams and joints, along with the need for fasteners, strips and heavy ballasts that can lower a roof's resistance to high winds. It even eliminates standard trouble spots along roof-mounted units, penetrations, curbs and parapets where flashings can fail.



Multiple studies have shown the durability of SPF Roof Systems in the face of environmental elements and catastrophic weather conditions. In the late 1990s, for instance, an FM Global (F.M.) – and Underwriters Laboratory (U.L.) – sponsored inspection of systems in the United States, conducted by the

Spray Polyurethane Foam Alliance (SPFA), showed that the oldest performing Polyurethane Roof Systems were more than 26 years old. Of the roofs surveyed, 97.6% did not leak and 93% had less than one-percent deterioration. These findings are even more remarkable in light of the fact that 55% of those roofs were never maintained.

Field studies of SPF Roof Systems conducted by U.L. and F.M. following Hurricanes Allen, Hugo and Andrew generated equally stellar findings. The system's wind uplift resistance actually exceeded the capacity of U.L. equipment. It also was shown that a SPF Roof System applied over built-up, metal, concrete and wood roofs increased their wind uplift resistance.

In addition to low maintenance costs, a SPF Roof System is a savvy building investment because of its ability to reduce energy costs. With the highest R-value of any insulation material and the way in which it encapsulates the roof, it eliminates drafts and heat loss just as strongly as it prevents water infiltration. Its light weight and adhering strength make it perfect for recovering old systems without requiring a tear off... or its associated costs and environmental challenges.

Through energy savings, Texas A&M University recovered the complete cost of its Polyurethane Roof System, installed on 27 buildings over the course of four years, in an average of 4-1/2 years.

A study from Michelsen Technologies LLC showed Polyurethane Roof Systems offer a cost savings of 13 - 56% over membrane roof systems.

YOUR ULTIMATE ROOF SOLUTION

The Roof-Tek® Sprayed Polyurethane Foam Roof System provides multifaceted protection for your building... and your overhead.

LEAK PROOF

Want a low maintenance roof, free of leaks and repairs? Because it's seamless, the Roof-Tek® self-flashing system gets rid of water entry points and costly repairs.

LIGHTWEIGHT

The Roof-Tek® Roof System is 20 times lighter than a conventional built-up roof of the same thickness, making it the perfect choice for long spans or installation over existing roofs without any additional structural reinforcement.

COST EFFECTIVE

With an application process that is quick, quiet and requires less laborers, the Roof-Tek® Roof System is exceptionally friendly to those who work in and visit your building. It can be applied over most existing roofs, so there's no costly roof removal or work shutdown. It's practically maintenance-free, and has an extended service life.

WEATHERPROOF

The weather-resistant Roof-Tek® Roof System protects against extremes in temperature, rain, snow, wind and ultraviolet radiation. If a puncture is made in the system's membrane, water is restricted to the hole and does not spread to interior insulation or cause interior leaks. (In most cases, the only repair tool needed is a tube of caulk.)

ENERGY SAVING

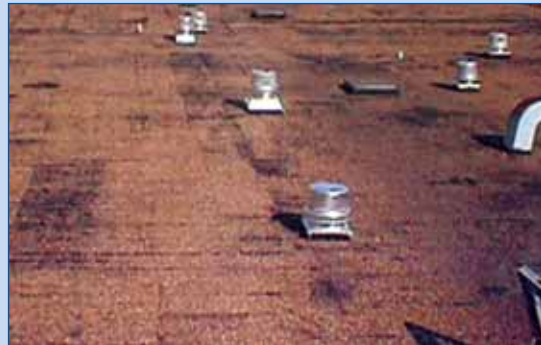
Roof-Tek's® polyurethane foam is lightweight and the most efficient insulation available. With savings up to 50% on heating and cooling costs, the new roof will quickly pay for itself.

ENVIRONMENTALLY FRIENDLY

No tear-off requirements means no landfill. A reflective coating and high R-value mean better environmental responsibility with lower environmental impact.

QUALITY ASSURED

Roof-Tek® offers the most comprehensive warranty program available and professional installation by properly trained application experts.



BEFORE

Heat absorbing and susceptible to water penetration.



AFTER

Cool and reflective with seamless protection against the elements.

COMPARING ROOF SYSTEMS

BUILT-UP MEMBRANE

- Requires overhangs, overlap seams and joints
- Attached flashings
- Secured to deck with fasteners
- Subject to heavy damage and penetration from flying debris
- Faces lift-off and peeling from high winds
- Failure exposes building's interior to leaks and water damage

ROOF-TEK® SPF ROOF SYSTEM

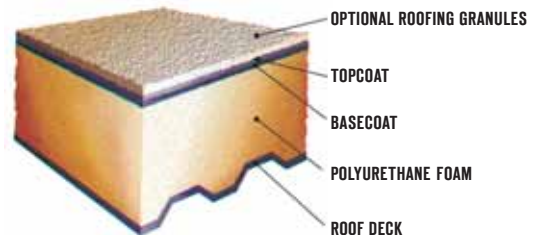
- Self-flashing, continuous smooth surface with no seams or joints
- 100% adhesion without fasteners
- Sturdy and resistant against penetration from flying debris
- Grips walls and holds tight against high winds
- Successfully protects the building's interior from leaks and water damage
- Energy Star, CRRC, U.L. and F.M. approved

PROTECTIVE COATING

PHYSICAL PROPERTIES	ACRY-TEK 4200 SERIES	POLY-SIL 2200 SERIES	SILVER BULLET®
Strength	250 PSI	500 PSI	1600 PSI
Elongation	300%	150%	300%
Permeability	3.0 perms	3.9 perms	0.025 perms
Hardness	50 Shore A	50 Shore A	90 Shore A
Solids by Volume	60%	65%	96%
Flash Point	>212 degrees F	>105 degrees F	>200 degrees F
Weatherability	No degradation	No degradation	Slight chalking
Cure Time	4-8 hours	2-8 hours	2-10 minutes
Drying Time	1 hour	1 hour	N/A

Is a leaky roof affecting your bottom line? Does it have the potential to? Roof-Tek® can't control the weather, but it can prevent what it would do to your overhead. To learn more about the benefits of the Roof-Tek® Sprayed Polyurethane Foam Roof System, call (888) 284-7488.

THE ROOF-TEK® SPF ROOF SYSTEM



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