



California Title 24 Sustainable Roofing Systems

Sprayed Polyurethane Foam . [SPF] FREQUENTLY ASKED QUESTIONS

Why haven't I heard of foam roofing before?

In the desert areas, Sprayed Polyurethane Foam (SPF), is commonly used on flat roofs due to the necessity of heat reflection, insulation properties and energy savings. When you look at the long term benefits such as the solution for ponding water, renewability, energy savings and waterproofing then it is clearly the best choice. SPF is becoming increasingly popular in Southern California.

Why don't all those other roofing companies use Sprayed Polyurethane Foam?

The expensive material, high tech equipment and application experience to insure correct installation is usually cost prohibitive to most roofing companies.

How does it save energy?

During the hot months, on the majority of buildings, heat enters through the roof. SPF creates a thermal blanket that insulates and shields the roof from infrared rays. The roof never heats up as the heat is not radiated inside the building. This results in lower air conditioning costs. During cold months, it keeps the heat inside the building.

Can I walk on it?

Yes, and within a very short time. We use a closed-cell material that is extremely tough and easily handles normal walking, wear and tear.

Is it heavy?

No. It only weighs a few ounces per square foot.

How does it save money?

The roof is virtually maintenance free. It has an iron-tight warranty of up to 20 years. Should the roof leak due to material or workmanship it is our responsibility to repair it at no charge to the client. The SPF system virtually eliminates **deep ponding water** and improves drainage to allow the water to move off the roof to the drains where it should go.

How long has SPF been used on roofs and how long does it last?

It has been used for over 40-years and most of these properly applied roofs are still in service. Generally, they should be recoated every 10 to 15 years. Cap sheet roofing systems usually last 8-12 years.

Is there any tax benefit to SPF roofing?

With the current incentives offered by the Federal Government, your project may qualify for an "energy saving" credit or deduction. TYPICALLY, our Cool-Roof applications can be expenses in the year they applied as they are considered a maintenance expense when applied over the existing roofing materials.



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Superior Insulation Efficiency.

Polyurethane foam is the most efficient form of thermal insulation commercially available. The systems usually pay for themselves in 2 to 6 years in energy savings on conditioned facilities.

It's Lightweight.

Many times lighter than conventional built-up tar and gravel systems. When the loose ballast is removed, the new complete polyurethane foam system is usually lighter than the original.

It's UL Listed.

Polyurethane spray foams are listed under UL 790 and UL 723. UL 790 roofing systems are listed Class A over non-combustible decks and Class A or B over combustible decks.

Environmentally Friendly.

Does not contain harmful chemicals. Can usually be applied over existing roof systems thus eliminating landfill use.

Renewable.

Covered by an appropriate coating, it does not age, decompose, or lose its physical properties over time. The roof should be re coated periodically, ever 10-15 years.

Sustainable.

Never re-roof, simply re-coat.

Stop buying throwaway roofs!

It's A Proven Roofing System.

These systems have been applied successfully for over 50 years.





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It's Versatile. It can be applied to irregular shapes and penetrations. Much of the time it can be applied over existing roofs. This can eliminate the need for noisy and costly existing roof removal.

Adheres to Most Surfaces.

A seamless layer of monolithic foam is fully adhered to the substrate-horizontal or vertical-and withstands high stress.

Stops Leaks and is Weather Resistant. Polyurethane foams form monolithic, self-flashing surfaces which effectively seal against leaks. It can be sprayed with slope to drains, facilitating water removal. Additional low spots can be filled to reduce ponding water.

Reduces and Simplifies Roof Maintenance. The applied polyurethane foam system usually requires little or no maintenance. If damaged, caulking is sufficient for repair in most cases. Polyurethane is much easier to repair than most built-up systems. Repairs, changes or modifications in equipment requirements can easily be accomplished.





**PROBLEMS
&
SOLUTIONS**

