



SSP – SILICONE SINGLE-PLY Restoration System



Completed and restored SSP roof project

Restore, Sustain, Save, Invest...

The coating of existing single-ply roof membranes is an important long-term economic decision. There are environmental and building protection issues to address. Today you have more roofing options than ever to consider...

With the application of millions of feet of single-ply in the 80's and 90's (particularly EPDM), building owner's now have roofing decisions that never before existed. With older BUR systems you were able to re-do flashings and re-new the surface to extend the life of the BUR's. Single-ply's were not initially designed to last beyond a point of tear-off, disposal and replacement. Roof-Tek® – as offered by Coating & Foam Solutions, LLC. – has developed an alternative solution.

Restoration - The SSP System from Roof-Tek® (*Silicone Single-Ply*) will extend the life of your roof. If the coating you apply is not on the roof membrane in a few years, you will not have accomplished your goal. Roof-Tek has engineered a system that has addressed two critical elements in coating existing single-ply's; first is longevity and second is adhesion. Roof-Tek has the answer with a silicone topcoat material. Silicones have been extensively used in construction for decades and have proven to weather better than organic-based coatings. Silicone has superior resistance to UV so it will last. Secondly adhesion is critical. A coating has to stay adhered through expansion and contraction of the membrane, through thermal-cycling and other weather cycles. Our multi-step system has shown superior coating adhesion over membranes, including difficult to adhere-to EPDM, PVC and Hypalon.

Sustainable – Coating application is a sound choice. *Think green.* A major re-roof including a tear-off generates massive amounts of waste and often much of that material is non-recyclable. Coating is renewable. When weathering does wear-down the thickness, new coating can be applied over it. This may be 10, 15 or even 20 years from now. Reflective coatings reduce energy consumption and lower surface temperatures. Silicone coating is high-solids, compact, efficient to transport and VOC compliant.

Savings - Removal of the roof, while incurring tremendous cost to the project, can also risk the building's interior contents to exposure and potentially costly damage. The application of the SSP System can be achieved at a fraction of the cost of roof removal and replacement, by reducing material and labor costs.



Before - a black, heat absorbing, aged EPDM membrane



After - a reflective, white Roof-Tek[®] SSP system was applied

Invest - An advanced, silicone coating will preserve the previous membrane by controlling UV damage, reducing thermal-shock and keeping the membrane water-resistant. The monies saved can be invested elsewhere, such as other building improvements.

With a cooler roof, facility energy cost will be lowered. Roof surface temperatures can be lowered by 60°F. Installing a reflective, Energy-Star[®] rated coating will make the building more comfortable and efficient. Roof-Tek[®]'s Poly-Sil white SSP silicone has an Energy Star Rating.

Energy savings from a cooler roof, lowered surface temperatures and the elimination of waste from a roof tear-off, the Roof-Tek SSP System contributes toward LEED design credits.

Before installation you need to know the condition of the roofing system. If there are leaks, why do they exist? If you are not able to thoroughly investigate conditions, hire a professional to do what you need accomplished.

The Roof-Tek Poly-Sil SSP System is efficient, environmentally sound and preserves your investment. Call us today for more information!

Available credentials:

- UL approved over any UL listed single-ply
- ENERGY STAR[®] Listed
- CRRC (Cool Roof Rating Council) listed
- Dade County
- VOC Compliant
- Title 24 compliant



Scope of work: SSP coating of single-ply

- Identify all roofing problems
- Research roof history
- Inspect roof conditions
- Repair membrane and seams
- Preparation of surface(s)
- Power-wash and apply Prep-Tek
- Apply Poly-Sil SSP silicone coating
- Inspection to comply with Roof-Tek[®] spec. and warranty issued

