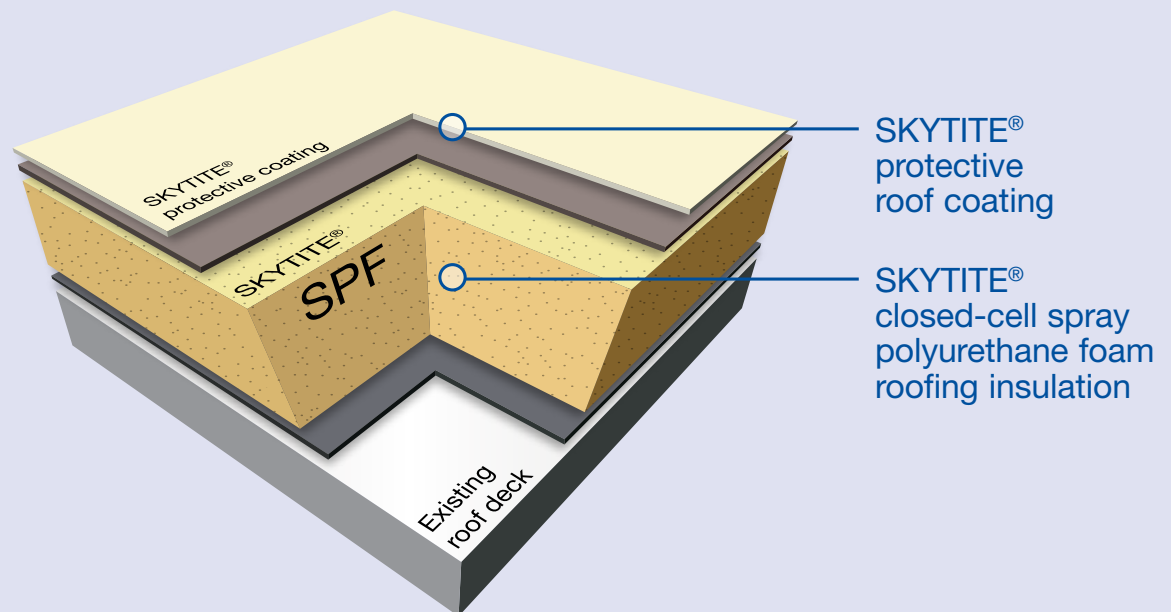


# SKYTITE®

## Polyurethane Foam Roofing Systems The lowest lifecycle cost roof.



BASF offers SKYTITE® high-performance, spray-applied polyurethane foam (SPF) roofing systems for improved building durability and energy efficiency, coupled with the lowest lifecycle cost.

Seamless and self-flashing, SKYTITE SPF eliminates thermal bridging and adds its superior insulation properties for improved building energy efficiency and indoor environment. Available in a variety of colors, SKYTITE also includes a comprehensive portfolio of silicone and acrylic roof coatings to complete your spf roofing system.

Sustainable SKYTITE roofing can be applied directly to the existing substrate in 95 percent of retrofit cases<sup>1</sup>, eliminating the cost of tear-off and reducing waste to landfill. It offers a lifespan of 20 to 30 years with minimal proper maintenance. It is also a renewable system. While BUR and single-ply membrane systems must be removed and replaced after their usable lifespan (an average of 10-15 years), SKYTITE can be recoated and renewed for many more years of service.

Leak-resisting SKYTITE SPF roofing systems combine long-term durability and minimal maintenance. A lifecycle cost analysis study<sup>2</sup> shows SPF offers a cost advantage of 13-56 percent over membrane roofing systems. The study attributed the SPF advantage to several factors:

- No tear-off and disposal costs
- Annual net energy savings from superior insulation and reflective coatings
- Consequential damages due to leaks: zero
- Recoating costs less than replacing a membrane system

Criteria	SKYTITE®	Built-Up	Single-Ply
<b>Weather Protection</b>	<ul style="list-style-type: none"> <li>Resists water migration through the closed-cell foam</li> <li>Improved slope-to-drain</li> <li>High wind uplift resistance</li> <li>No deck penetration</li> </ul>	<ul style="list-style-type: none"> <li>Joints and seams can allow water migration</li> <li>Loose aggregate can become projectiles</li> <li>Expands and contracts</li> <li>Becomes brittle</li> </ul>	<ul style="list-style-type: none"> <li>Ponding frequent</li> <li>Leaks hard to locate</li> <li>Extensive deck penetrations</li> <li>Newer systems (lack of long-term field experience)</li> <li>Lots of seams</li> </ul>
<b>Energy and Comfort</b>	<ul style="list-style-type: none"> <li>Lower heating and cooling costs</li> <li>No thermal bridging</li> <li>Highest R-value insulation</li> <li>Lower roof temperatures, reducing thermal stress</li> <li>Reflects solar radiation</li> <li>Improved occupant comfort</li> </ul>	<ul style="list-style-type: none"> <li>Temperature build-up on roof and below</li> <li>Indoor environment more difficult to condition</li> </ul>	<ul style="list-style-type: none"> <li>Temperature build-up on roof</li> <li>Indoor environment more difficult to condition</li> </ul>
<b>Installation</b>	<ul style="list-style-type: none"> <li>Usually no costly tear-off</li> <li>Fast installation</li> <li>Fully adheres to almost any substrate</li> <li>No fasteners, no welding, no gluing</li> <li>Lower labor cost</li> <li>Conforms to irregular shapes, can be custom sloped</li> <li>Simplified flashing and details</li> </ul>	<ul style="list-style-type: none"> <li>Major construction</li> <li>Tear-off and waste disposal usually required</li> <li>Irregular shapes difficult</li> <li>More labor intensive</li> <li>Costly</li> </ul>	<ul style="list-style-type: none"> <li>Irregular shapes difficult</li> <li>Numerous fasteners add expense</li> <li>Seams and terminations are potential leakage points</li> <li>Flashings difficult</li> </ul>
<b>Maintenance and Repair</b>	<ul style="list-style-type: none"> <li>Minimal maintenance</li> <li>Renewable with simple recoats</li> </ul>	<ul style="list-style-type: none"> <li>Major reconstruction needed</li> <li>Costly and frequent</li> <li>Difficult to inspect and repair</li> <li>Leaks hard to locate</li> </ul>	<ul style="list-style-type: none"> <li>Non-renewable</li> <li>Torn off at end of life cycle</li> <li>Difficult to inspect and repair</li> </ul>

The SKYTITE SPF roofing system outperformed traditional insulation materials in eco-efficiency on its test scores.

The National Roofing Contractors Association describes SPF as one of the best roofing systems for flat, unusually shaped or low-slope roofs. BASF SKYTITE SPF roofing systems have received a variety of fire, wind uplift and hail resistance approvals. For more information, please visit [www.spf.basf.com](http://www.spf.basf.com).

BASF offers a complete Engineered Building Envelope system, including spray-applied polyurethane foam, a full system warranty and a single source supply of silicone, urethane, and acrylic coating solutions for the commercial roofing market.

As demand for sustainable construction materials and applications continues to grow, BASF offers new cost-effective solutions, developed at extensive R&D facilities around the world.

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<sup>1</sup> SPF installs directly on top of existing substrate in 95% of BASF re-roofing projects.

<sup>2</sup> Michelsen Technologies LLC conducted the study according to ASTM E 917-02 Standard Practice for Measuring Lifecycle Costs of Building and Building Systems.

