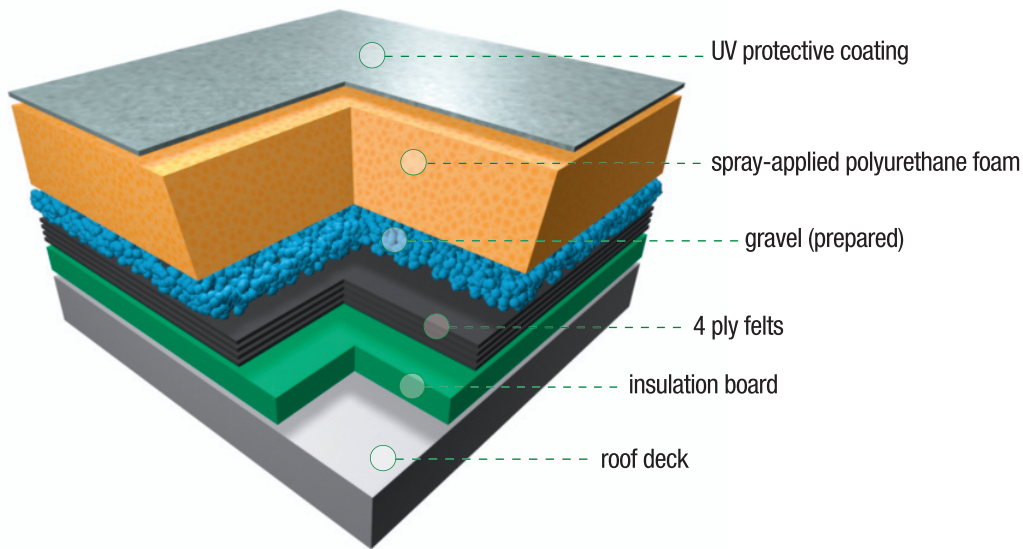


# ELASTOSPRAY® ROOFING

Less Downtime When Replacing BURs



ELASTOSPRAY® spray-applied polyurethane foam (SPF) roofing technology from BASF Polyurethane Foam Enterprises LLC delivers a cost-effective and sustainable solution for a failing Built-Up Roof (BUR) – one that results in less downtime and disruption than any other roofing system.

Traditionally, a BUR in need of repair means the complete tear off and removal of the old roof. This is a labor-intensive and costly process that usually sends thousands of pounds of debris to the landfill. The owner and contractor also run the risk of damaging the interior contents of the building during the extended exposure period associated with traditional methods of roof repair.

But it's a whole different situation when you choose an ELASTOSPRAY SPF roof. That's because a complete tear off is usually avoidable. Before applying ELASTOSPRAY roofing systems, the existing roof is inspected thoroughly for moisture content, leaks and structural integrity. Any loose aggregate is removed using a roof vacuum, which greatly reduces the weight load on the roof and eliminates the remaining dirt and dust. Any required repairs to the deck or existing roof are done prior to the installation of the SPF roof directly to the existing BUR system.

ELASTOSPRAY roofing installs without the need for penetrating fasteners. There are no electrifying surprises and no holes through your roof deck. Instead, SPF is applied as a fluid at a thickness of 1.5 – 2 inches (more if improved drainage or insulation is required). As the foam cures, it expands to approximately 20 times its original mass. Within minutes, it becomes a very rigid and durable insulating layer. An ELASTOCOAT™ elastomeric coating is then applied to provide added protection from the elements, and, if desired, provide ENERGY STAR®-rated reflectivity for reduced urban heat island effect and improved building energy efficiency.

Most problems with a BUR occur at the details and penetrations. SPF is a seamless and self-flashing system that offers better protection by creating its own transitions at pipes, walls and edges.

Helping Make  
Buildings Better™

 **BASF**  
The Chemical Company

BASF Polyurethane  
Foam Enterprises LLC

SPF roofing has been used successfully in North America for more than 35 years and has been identified as offering a broad range of benefits by owners, specifying influences, regulatory authorities, technical groups and roofing contractors. Some of these benefits include:

- Proven leak-free
- Seamless design and construction
- Lightweight
- Repairable, renewable and sustainable  
(SPF extends the life of the existing roof system for 10, 20, 30 years or more)
- Minimum disruption and downtime during installation
- Highest wind uplift resistance
- Lower maintenance costs
- Lower energy costs
- Improved indoor environment
- Long-life expectancy
- Lower lifecycle cost (inspections and repairs are quick and easy)
- Long-term, single source, warranty

A study from Michelsen Technologies LLC shows SPF roofing offers a cost advantage of 13 to 56 per cent over membrane roofing systems. Zero tear-off during installation means zero landfill fees and zero downtime. Sustainability through re-coating, durability and reduced repair requirements mean up to 30 years of top performance with almost zero maintenance costs. Reflective coatings and the highest R-value available mean increased building energy efficiency and environmental responsibility for reduced operating costs and low environmental impact.

The National Roofing Contractors Association describes SPF as one of the best selling roofing systems for flat, unusually shaped or low-slope roofs.






BASF Polyurethane Foam Enterprises continues to invest in technological innovation, market and application development for SPF roofs, as well as in specialized training programs for all sectors of the industry.

**BASF Polyurethane  
Foam Enterprises LLC**

13630 Watertower Circle  
Minneapolis, MN 55441  
Phone: 1-888-900-FOAM  
Fax: 713-383-4592  
[www.basf.com/spray](http://www.basf.com/spray)  
[spfinfo@basf.com](mailto:spfinfo@basf.com)

363-1045



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