



Your Roofing Solution

Spray Polyurethane Foam Roofing
From Covestro

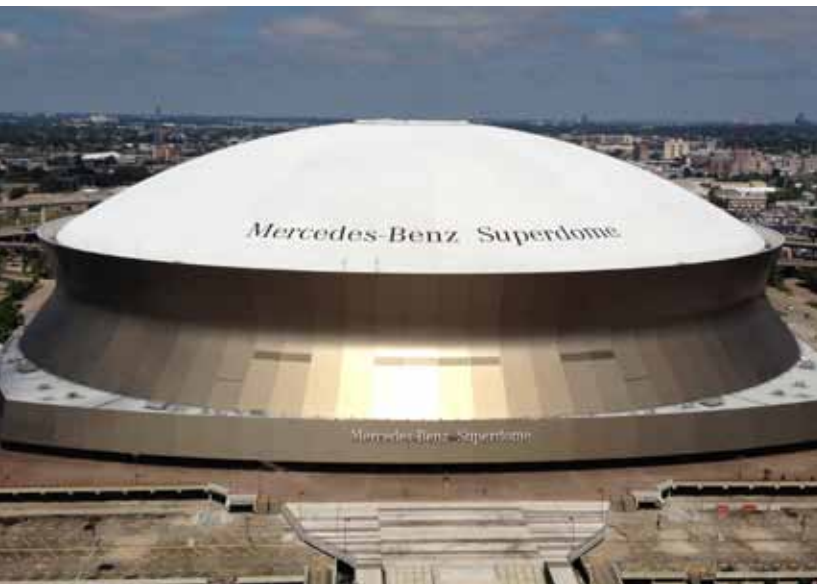




Roofing Performance

Occupants don't give them a second thought yet they keep facility managers awake at night. Roofing is one of the most challenging parts of the building envelope. They work hard keeping water out and conditioned air in, and they bear the load of all the facility equipment the roof usually supports. Installation, operations, maintenance and energy efficiency are constant concerns, yet can be addressed with the right product.

Spray polyurethane foam (SPF) roofing from Covestro provides the performance and efficiency today's facilities require. Covestro's SPF roofing offers intelligent solutions for energy-efficient construction in every climate zone. Insulation materials made of polyurethane help to effectively insulate roofs, walls and floors. When the six sides of a building work together as one complete whole, the building envelope performs more efficiently.



Covestro SPF roofing systems have been tested and received rating classifications from:

- Underwriters Laboratories (UL)
- Factory Mutual
- Energy Star
- Miami-Dade County
- ICC Evaluation Service
- Cool Roof Rating Council



From Start to Finish

SPF Roofing from Covestro is a Cost-Effective, Long-Term Facility Solution



INSTALLATION

- SPF roofing can be applied over the existing roof, so tear off may be unnecessary; save time and divert waste from landfills.
- The adhesive nature of SPF eliminates metal fasteners used to secure the product to the deck, so no roof penetrations are made.
- SPF is self-flashing; metal counter flashing is not required.
- SPF is easily sprayed around piping or other roof penetrations.



OPERATIONS & MAINTENANCE

- SPF helps minimize the migration of moisture through the roof.
- Rooftop modifications can be made easily. New SPF applications are applied over existing foam.
- The insulating and air sealing properties of SPF reduce temperature fluctuations on roof components and helps extend the life of the roof.
- Limited warranties may be available for SPF projects completed by Covestro silver and gold accredited contractors.



ENERGY EFFICIENCY

- The monolithic nature of SPF minimizes air gaps, as with insulation boards.
- The high insulation value of SPF reduces the energy absorbed by the roof system and may reduce the heat island effect.
- The elimination of metal fasteners also eliminates thermal bridging (heat transfer).
- The SPF Life Cycle Assessment (LCA) shows the energy saved with SPF over the building's life exceeds the embodied energy spent during material processing, transportation, and installation.

[Snow on single ply roof melting where thermal bridging occurs.]

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