

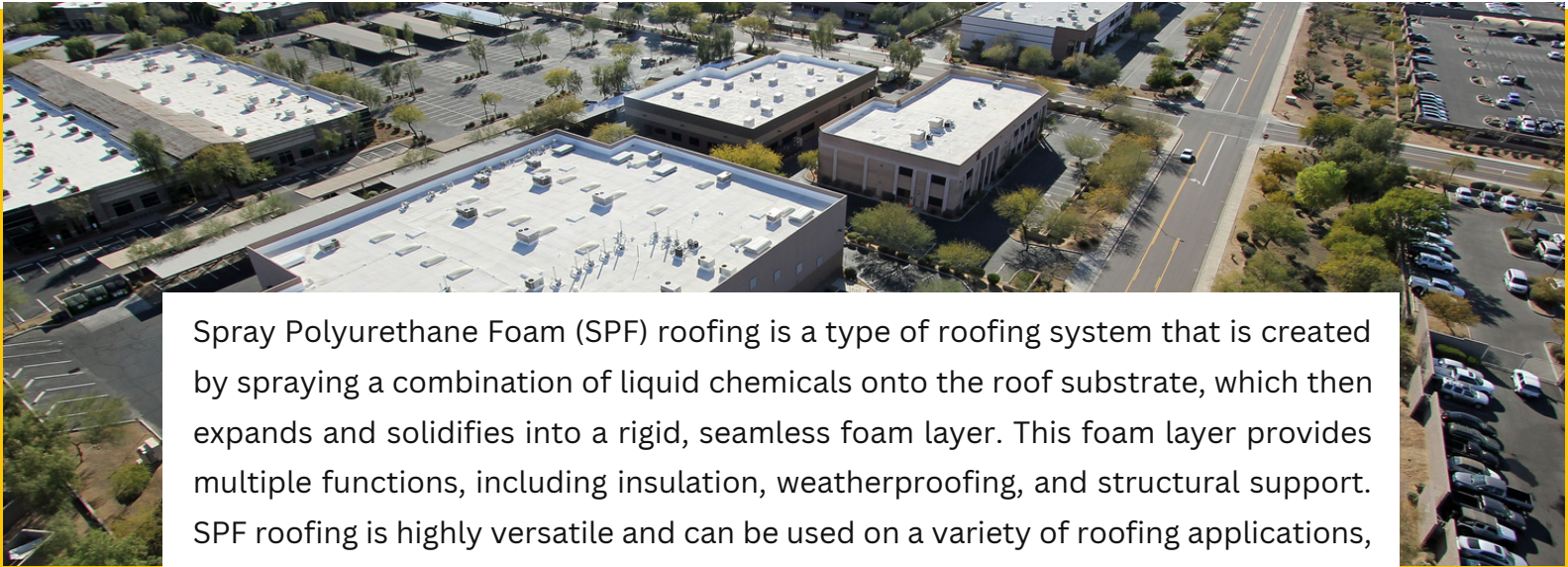


# SPF SYSTEM MAINTENANCE



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# What is SPF



Spray Polyurethane Foam (SPF) roofing is a type of roofing system that is created by spraying a combination of liquid chemicals onto the roof substrate, which then expands and solidifies into a rigid, seamless foam layer. This foam layer provides multiple functions, including insulation, weatherproofing, and structural support. SPF roofing is highly versatile and can be used on a variety of roofing applications, including flat roofs, low-slope roofs, and metal roofs. The foam layer is highly resistant to water and air infiltration, providing superior protection against leaks and other moisture-related issues. SPF roofing is known for its durability and long lifespan, and it is a cost-effective roofing solution that can be applied as a new roof or over most existing roofs. Overall, SPF roofing is a reliable, long-lasting, and energy-efficient roofing solution that is ideal for many types of buildings and roofing applications.

## Reflective Acrylic or Silicone Coating

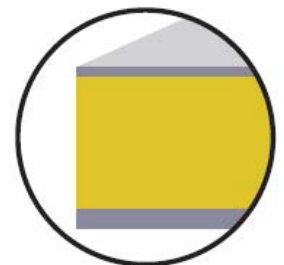
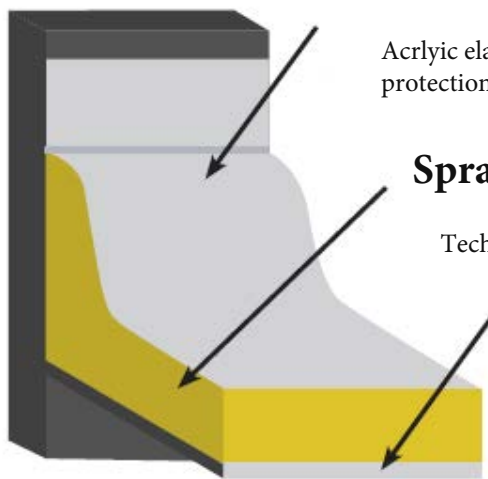
Acrlyic elastomeric or silicone roof coating. Provides first-line waterproofing and UV protection. Can be light colored or white to deter radiant heat for cool roofing effect.

## Spray Foam

TechGuard closed-cell spray insulation provides main waterproofing and insulation.

## Substrate

Roof substrate or existing roofing system.



# Preventive Maintenance

- **Inspect the roof regularly:** Inspect the SPF roof regularly, at least twice a year, to look for any signs of damage, such as cracks, blisters, or bubbles in the foam.
- **Clean the roof:** Clean the roof using a soft-bristled broom or leaf blower to remove any dirt, leaves, or debris that may have accumulated on the surface.
- **Check the drains:** Check the roof drains to ensure they are clear and functioning properly. Remove any debris or blockages to prevent water from pooling on the roof.
- **Seal any cracks:** If any cracks or openings are found in the SPF roof, seal them with an appropriate sealant to prevent water infiltration.
- **Check for ponding:** Check the roof surface for any areas where water may be ponding, which can cause damage over time. If ponding is found, contact a roofing professional to evaluate and correct the issue.
- **Check the coating:** Inspect the coating on the SPF roof to ensure it is still intact and providing adequate protection. If the coating is worn or damaged, consider applying a new coating to protect the roof.
- **Trim nearby trees:** Trim any overhanging branches or trees that may be touching or rubbing against the SPF roof to prevent damage.
- **Hire a professional:** Hire a professional roofing contractor to perform a more thorough inspection and maintenance, if needed. They can also provide recommendations for ongoing maintenance and repairs to extend the lifespan of the SPF roof.



# What to look for

- Cracks and openings: Inspect the entire roof surface for any cracks, gaps, or openings in the SPF layer. Even small openings can allow water to penetrate and cause damage.
- Blisters and bubbles: Look for any areas where the SPF has lifted or created bubbles on the roof surface. These can be signs of moisture infiltration or damage to the foam.
- Ponding water: Check for any areas on the roof where water is ponding or not draining properly. This can cause damage over time and indicate a problem with the roof's slope or drainage system.
- Coating condition: Inspect the condition of the protective coating on the SPF roof. The coating should be intact and providing adequate protection against UV rays and other environmental factors.
- Flashing: Check the condition of any flashing or metal components on the roof, such as around vents or skylights. Ensure that they are properly sealed and not corroded or damaged.
- Drainage system: Inspect the drainage system, including gutters and downspouts, to ensure they are clear and functioning properly.
- HVAC units and other equipment: Check any HVAC units, pipes, or other equipment that penetrates the roof to ensure they are properly sealed and not causing any damage to the SPF layer.
- General wear and tear: Look for any signs of general wear and tear on the roof, such as scratches or abrasions, that could compromise the integrity of the SPF layer.
- By regularly inspecting the SPF roof for these issues, you can identify and address any problems before they become more serious and costly to repair.

## Materials for repairs

- Spray gun
- Roller
- Brushes
- Trowels
- SPF
- Coating
- Sealant
- Gloves
- Goggles
- Respirator
- Protective clothing
- Cleaning Solution

## When to call in the professionals

It is important to note that SPF roof repair can be complex and should typically be performed by a trained professional to ensure proper installation and prevent further damage to the roof.

If you see any signs of the following its time to call a contractor

Water Infiltration  
Cracks or openings  
Blisters or bubbles  
Ponding water  
General wear and tear



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