

Protective Roof Coatings and Leak Repair



Repairs for Leaking Roofs

Commercial metal, hot asphalt “tar & gravel”, concrete and many other roof materials are prone to leaks, especially when flat or low slope or have multiple angle/valley seams. Problems often show up around flashing, HVAC units, vents, piping, sky lights, cables, screw holes and other structures penetrating the surface. The best way to fix leaking roofs and prevent damage to interiors is by spraying ArmorThane polyurethane or polyurea coatings.



7 Biggest Causes of Damage

Most often leaking is not the fault of the original roof. Something causes a gap between the roof and vulnerable points such as penetrations and construction seams. Here are seven primary red flags that can lead to leaking:

1. Separations from HVAC vibrations
2. Ponding, vegetation on flat roofs
3. Temperature extremes, freeze/thaw cycles
4. Storm damage – wind, hail, falling debris
5. Foot traffic, equipment movement
6. New HVAC equipment doesn't match old
7. Worn out roofs – rusting, cracked, peeling

The Most Durable Protective Coatings Available

Cost Savings

Replacing a roof may be inevitable with major damage but it is very expensive and often avoidable. With skyrocketing labor and materials costs and other factors such as removal of the old roof, replacement may not be a cost-effective option. Beware that many repairs, such as pouring on more asphalt, are generally not a long-term fix. Instead, ArmorThane coatings are used to protect roofs before trouble occurs or to renovate existing damage.



Benefits of ArmorThane Coatings

Products are sprayed on making it easy to maneuver around various shapes, sizes and roof penetrations. This fixes and prevents further leaks with several additional benefits:

- Reliable waterproof barrier
- Easy seal for existing penetrations
- Wind, hail storm damage reduction
- No softening or becoming brittle
- Flexible, no damage from settling
- No cracking with foot traffic
- No corrosion or rusting
- Reduced noise and vibration
- Options for non-slip walkways
- Variety of colors, fade resistant options

Leak Prevention

Companies with flat or low slope roofs or ones with multiple angles and valleys are waiting for trouble. The alternative is to proactively seal around penetrations and seam attachments. Even better is to coat the entire roof. Because ArmorThane products have very durable bonding properties, the roof is strengthened and a waterproof barrier is formed. This can add years to the roof, preventing both natural deterioration and many types of storm damage.



Mobile Coatings

In addition to fixed workshop locations, coating products can be sprayed any time, any place. And, unlike many other companies,



we custom-build trailers to meet your specifications. ArmorThane has all of the high-pressure and low-pressure equipment and supplies needed to be fast and efficient.



Suggested Products

ArmorThane has a number of coatings which are professionally applied to roofing projects. Please visit product pages on our website or call for specifications on these key items:

- ArmorSeal 100 AL polyurea (aluminized)
- STS-200 polyurethane
- STS-300 polyurethane
- HighLine-310 polyurea

We understand your goal is to repair and ensure long-term protection of structures against abusive elements found in outdoor settings. Once you check your local building codes, we will help you apply the right solutions to meet those goals.

Beyond Traditional Roofs

In addition to typical buildings, roof material can be applied to a number of outdoor surfaces needing leak prevention such as:

- Balconies, rooftop patios
- Covered pool decks
- Shed, barn, workshop roofs
- Park pavilions, stadiums
- RVs, trailers – roofs, interiors
- Marinas, boats, ship decks
- Buses, trains – interior & exterior roofs

Check out our website for more construction ideas and applications. We have coatings for a variety of interior and exterior applications.



Protecting Your World

ArmorThane is a multi-national company founded by Garry Froese, CEO, in 1989. We have facilities in the U.S. and Canada and export to large dealers around the world.

We specialize in the development, manufacturing and distribution of top-quality protective coatings, as well as the design and fabrication of commercial application equipment. Our products include pure and specially-formulated hybrid polyurea and polyurethane with spray and roll-on applications. We provide low and high-pressure spraying equipment and supplies for fixed locations. Plus, we custom-build mobile coatings units for travel to any project site.

In addition to Roofing projects, thousands of applications benefit from ArmorThane's protective coatings. If you would like to know more about specific products and applications, just give us a call.

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