

Primary Containment Polyurethane/Polyurea Coatings



Variety of Uses

ArmorThane industrial coatings are involved in the manufacture, maintenance and rehabilitation of all types of primary containment. Our products are perfect for holding tanks, pipelines and mobile units such as tanker trucks. Coatings are applied to metal, plastic, concrete for water, fuel, waste and acidic or caustic compounds. With no VOC's or solvents to leach into or absorb water or chemicals, these seamless, leak-proof coatings are safe for people, animals and plants.



Containment Coating Benefits

We offer a number of product options depending on the nature of containment. All excel on three levels.

Leak Proofing: coatings form a seamless, impermeable membrane. There is no threat from extreme climates, corrosion or vibration.

Corrosion Prevention: rust and surface degradation are eliminated. Reactants and corrosive materials sit harmlessly against our polymers and have no effect on the tank or pipes.

Product Integrity: when different materials move in and out of containment, there is little risk of cross contamination due to absorbing contained materials. This can be a problem with other surface coatings. We also have a US ANSI NSF-61 certified coating designed for holding potable water.

Rubber Liner and Paint Problems

Rubber lining, paint and other surface protection simply do not last as long as polymers such as polyurethane and polyurea. They can also release and absorb materials causing contamination. And, they do not have the same abrasion and corrosion resistance as polyurethane or polyurea. Chemically aggressive fluids will find and exploit weaknesses found in rubber linings and paint. Many of our products are less expensive than comparable epoxy coatings with better durability.



Custom Application

Unlike pre-formed liners, sprayed-on coatings are thinner and take up less space. They form a seamless membrane that exactly fits the shape, even where poles, pumps and other internal or external structures attach.

Beyond Primary Containment

In addition to primary holding vessels, many tanks have steep stairs that need anti-slip coatings. ArmorThane also has products for a variety of specific solutions involving temporary secondary containment, water features, wastewater treatment and sanitation systems. Ask us for more details on these issues.

The Most Durable Protective Coatings Available

Suggested Products

We have a number of coatings which are applied to primary containment projects. Please visit product pages on our website or call for specifications on these key items:

- Armor HiChem polyurea
- EnviroThane modified polyurea
- STS-300 polyurethane
- HighLine-310 polyurea
- HighLine-510H pure polyurea
- AquaSafe potable water safe polyurea



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.



Products and Processes Match Your Coating Needs

ArmorThane has a variety of coating products developed to help industries solve problems. Benefits may include:

- **Coat a Variety of Surfaces:** metal, concrete, asphalt, fiberglass, wood, wallboard, geotextile material over sand, dirt, gravel
- **Proactively Add Surface Protection:** against intense sunlight, extreme heat and cold, wind, high wear, abrasion, water, gas or chemical leaks or spills
- **Solve Difficult Problems Caused By Adverse Conditions:** fading and discoloration, corrosion, rust, scratches, denting, cracking, warping, high energy costs
- **Provide Safer Environments:** secondary containment, compliance with health regulations for food processing, waterproof barrier to prevent bacteria/mold, easy-clean surfaces, slip and skid resistance, stronger surfaces, and increased security for military, government, other facilities
- **Add Color and Design Inside or Outdoors:** rejuvenated dull or discolored surfaces, UV color stability, permanent color coding, endless decorative ideas for logos, patterns, borders, etc using masks, tape or stencils (more durable than paint)
- **Add Fire Retardant Properties:** protection in areas that may be exposed to extreme heat or fire

Different products have unique physical properties. That's why it's important to combine products and processes with our technical expertise and experience. We make sure you apply the right solutions to your coating problems.



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 Primary Containment 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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