

# ARMORTHANE STRENGTHENS NATIONAL FLOOD CONTROL INFRASTRUCTURE WITH PROVEN POLYUREA COATINGS, EQUIPMENT, AND TRAINING

*AstorThane boosts U.S. flood defenses with polyurea coatings, gear, and training, helping agencies strengthen infrastructure quickly and affordably.*

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AstorThane Polyurea Flood Wall

Expanding turnkey support for levees, floodwalls, and pump stations as

record rainfall in Texas highlights vulnerabilities in legacy defenses

AstorThane, a one-stop shop formulator, manufacturer, and distributor of high-performance polyurea and polyurethane products and services, has announced an expanded focus on flood control infrastructure. The new emphasis is designed to make advanced spray-applied elastomers, precision proportioning equipment, and specialized certification courses more accessible to public agencies, industrial operators, and contractors tasked with hardening critical assets against increasingly frequent extreme-weather events. By lowering the barriers to entry, the program also opens a path for entrepreneurs who want to build businesses that place public well-being at the center of daily operations while capturing growing demand for resilient construction services. AstorThane's initiatives bundle material guidance, equipment selection, and on-site technical assistance so that even small maintenance crews can integrate polyurea technology without large staffing increases or long lead times. Adopters report completing repairs in a fraction of the traditional schedule while achieving stronger bond lines and longer inspection intervals, which are outcomes that directly translate into safer communities and leaner operating budgets.

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Our goal is to help communities strengthen their flood defenses quickly and effectively, using proven coatings and equipment that deliver long-term protection with minimal disruption.”

*Troy Bacon*

Record-setting rainstorms in Texas during early July pushed rivers well above established flood stages, overtopping levees and forcing pump stations offline in multiple counties. Preliminary damage assessments list thousands of affected structures and millions of dollars in restoration costs. Similar flash-flood events have struck the Midwest, Appalachia, and the Gulf Coast in recent years, reflecting climate data that points to shorter, more intense precipitation bursts across much of the United States.

POLYUREA COATINGS FOR RAPIDLY DEPLOYABLE AND ROBUST FLOOD RESILIENCE

Spray-applied polyurea provides a practical, field-proven answer to emerging challenges in [natural disaster control](#) and flood control infrastructure. Delivered through plural-component equipment, two liquid parts react at the spray tip, atomize, and gel in as quickly as a few seconds to form a continuous, elastomeric membrane. The coating bonds aggressively to concrete, steel, masonry, and geotextiles, even when substrates are damp, bridging cracks, sealing joints, and absorbing impact from debris-laden floodwaters. Once cured, the membrane stretches and recovers with temperature swings, soil movement, or dynamic hydrostatic loads, preventing the micro-fractures that can let water undercut a floodwall or erode a levee core. Polyurea also resists ultraviolet (UV) radiation, salt spray, and a wide spectrum of industrial chemicals, making it equally suitable for inland rivers, coastal surge barriers, [flood wall coatings](#) and secondary containment berms. Moreover, because the formulation is 100% solids and solvent-free, installation proceeds with minimal odor or airborne emissions, a critical advantage for densely populated corridors and environmentally sensitive waterways. Typical projects return to service within the same shift, reducing downtime to hours or days rather than weeks or months and allowing crews to respond quickly between storm systems.

## INTEGRATED SUPPORT, TRAINING, AND COMMUNITY BENEFITS

ArmorThane couples its material science with purpose-built machinery and knowledge transfer. High-pressure proportioning pumps, heated hose assemblies, and rugged mobile spray rigs maintain tight temperature and pressure tolerances, ensuring correct mix ratios and consistent film build. To build local capacity, the company offers a tiered certification curriculum that blends classroom instruction on coating chemistry and safety with hands-on spraying on representative substrates. Graduates leave with documented skills, recommended equipment lists, and direct access to technical advisers who can assist on initial deployments. Turnkey start-up packages bundle pumps, hoses, guns, personal protective equipment, and enough material for early projects. This enables both established contractors and new entrants to add polyurea spraying to their service mix in weeks rather than months (it's all about speed with polyurea!). Flexible financing and lease-to-own options help small businesses match equipment payments to cash

flow, while agencies can structure multi-year supply agreements that lock in pricing and guarantee timely deliveries.

#### MORE ABOUT ARMORTHANE

Founded in 1989 and headquartered in Springfield, Missouri, USA, ArmorThane formulates, manufactures, and distributes advanced polyurea and polyurethane coatings for defense, energy, transportation, and civil-infrastructure markets.

Troy W Bacon

ArmorThane

+1 417-831-5090

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