

Specialty Products, Inc. (SPI) is a pioneer and leading innovator in the polyurea protective coatings industry. SPI's corporate philosophy and passion focuses on continuing to raise the industry bar with cutting edge solutions.

SPI's advanced polyurea products are the next evolution of protective coatings for the Water Management Industry. These ultra high-strength, elastomeric, polyurea coatings simply outperform epoxy, polyurethane, and other hybrid products.

SPI POLYUREA ADVANTAGES

- Stronger, more durable, longer service life for increased ROI
- Able to bridge cracks and form a watertight seal
- Higher elongation, greater flexibility and won't crack or peel like epoxy. Able to withstand substrate expansion and contraction caused by harsh annual weather cycles
- High build - apply to any thickness in one application
- Fast-set - rapid cure, return to service within hours, not days
- Hydrophobic - relatively unaffected by cool surfaces during the application process
- Apply in wider-range of temperatures (below 0° to >100° F)
- Contains 100% solids, no VOCs, solvents or ozone depleting ingredients



Irrigation canal crack sealing

Specialty Products, Inc. is widely recognized as a global market leader and innovator in manufacturing polyurea elastomeric coatings, polyurethane foam systems, and plural-component application equipment. SPI's products are manufactured under a stringent quality assurance program. SPI offers year-round 24/7 technical support, backed by a dedicated staff with over 150 years of collective industry experience. For over 37 years, our customers have relied on SPI's industry leading products and unmatched technical support. We invite you to experience the SPI service difference!



www.specialty-products.com

PROTECTIVE COATING SOLUTIONS Water Management



**APPLIED CONVEYOR
& POLYMERS LTD.**

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Water has become the most precious resource on the planet. Potable water is water that is fit for consumption by humans and other animals. An abundant, reliable supply of high-quality, potable water is a critical component of the health and economic well-being of any community. The agriculture industry also needs access to water to grow and harvest the food that feeds the world.

Deteriorating, leaking infrastructure (tanks, pipes, canals) lose billions of gallons of usable water every year. This wastes a valuable resource, potentially exposing a good water source to contaminants, and reduces billable revenue for water management agencies.

SPI offers a solution to these problems with high-performance, elastomeric polyurea coatings. These high-elongation coatings can bridge over cracks to provide a watertight seal, remaining flexible enough to move with the substrate expansion and contraction during extreme annual weather cycles.

WATER MANAGEMENT SOLUTIONS

- Potable Water containment (ANSI - NSF 61 approved)
- Irrigation canal and aqueduct lining and repair
- Water treatment and food processing facilities
- Bottling and canning facilities
- Water retention or decorative ponds



FEATURED INDUSTRY SOLUTIONS

Watersafe-100™ NSF Potable Water
Watersafe-100™ is ANSI/NSF 61 compliant by an ANSI accredited lab, approved for direct contact with potable water. It is a fast-setting, rapid curing, 100% solids, flexible aromatic, two component spray polyurea that can be applied suitably prepared concrete and metal surfaces. It's extremely fast-set gel time makes it suitable for applications down to -20°F. It may be applied in single or multiple applications without appreciable sagging and is relatively insensitive to moisture and temperature allowing application in most temperatures.

Watershield III™
Watershield III™ is a third generation pure polyurea waterproofing elastomer. This economical polymer exhibits high tensile strength and very high elongation (>900%), to bridge stress cracks in concrete and other substrates. It contains no tar, asphalt, or VOCs. It can be walked on in minutes and is usually back-filled in less than one hour.

HT-100F UB™
HT-100F UB™ is a high tensile, high elongation, high build, fast-set, elastomer, specifically formulated to provide a tenacious bond to certain thermoset plastic surfaces. Unlike most spray-applied polyureas, HT-100F UB™ has the unique advantage of adhering to many polymeric substrates, both new and aged, typically without the use of primers or extensive surface preparation. It provides a cost effective, flexible, tough, resilient monolithic membrane with water and chemical resistance.



The toughest and most durable protective coatings in the industry



Specialty Products has over 40 unique polyurea elastomer coatings with a wide range of physical properties to meet your specific project requirements. SPI only produces 100% solids, pure polyurea coatings that contain no VOCs, solvents, or harmful ozone depleting ingredients. Our knowledgeable team of industry experts will work closely with you from your project's beginning to the end, providing reliable coating solutions, SSPC/NACE standards, project specifications, and unsurpassed 365-day, 24/7 technical support.

FEATURED INDUSTRY SOLUTIONS

Dry Properties & Test Methods	Watersafe 100™ - NSF Potable Water	Watershield III™	HT-100F UB™
Tensile Strength, psi ASTM D412	3500 psi	> 2600 psi	> 3900 psi
Elongation ASTM D 412	450% ± 50%	> 930%	> 300%
Tear Resistance, pli ASTM D 624	450 ± 50 pli	> 350 pli	n/a
Shore Hardness A & D ASTM D 2240	50 ±5 D	35 D	55 D
Abrasion Resistance ASTM D 4060	CS 17 Wheel 6.0 mg. lost	n/a	n/a
Application Temperature	< 0° to > 100°F	< 0° to > 100°F	< 0° to > 100°F
Service Temperature	-40° to 248°F	-60° to +200°F	-50° to +200°F
Return to Service	> 24 Hours	48 Hours	24 Hours