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 Feature 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
- Excellent resistance to many chemicals and hydrocarbons
- 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 wide-range of temperatures (below 0° to >100° F)
- Contains 100% solids, no VOCs, solvents or ozone depleting ingredients

**www.specialty-products.com**

**PROTECTIVE COATING SOLUTIONS**

**Water Features**

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Leading GRACO® Equipment and Parts Distributor

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!
Decorative water feature and pond enthusiasts have long looked for a waterproofing solution that is eco-friendly, non-toxic, and will extend the service life of their investment. Older technologies involved using sheet goods with potential leaking seams, or thin rigid-coatings that would crack and fail from harsh weather cycles. These solutions are not effective and end up increasing maintenance and water replacement costs.

SPI’s pure polyurea coatings create a durable, seamless, waterproof liner. These advanced, eco-friendly coatings contain zero VOCs and are safe for marine life and plants. The product’s high tensile-strength properties allow for placement of rocks, gravel or other decorative features, and are less susceptible to damage compared to sheet good liners. In addition, the coating’s elastomeric properties make them flexible enough to move with substrate expansion and contraction during harsh weather cycles.

**WATER FEATURE APPLICATIONS**
- Large fountain ponds
- Municipal fountains and decorative displays
- Decorative Koi ponds
- Natural swimming ponds
- Retention and evaporation ponds
- Water park and recreation facilities

**The toughest and most durable protective coatings in the industry**

**Polyshield Hi-E™** Polyshield Hi-E™ is a high-performance, spray-applied, plural component, pure polyurea elastomer exhibiting very high elongation. This system is based on amine-terminated polyether resins, amine chain extenders, and prepolymer. It provides an extremely flexible, resilient, tough, monolithic membrane with water and chemical resistance.

**Ultra Bond-100™** Ultra Bond-100™ 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, Ultra Bond-100™ has the unique advantage of adhering to many polymeric substrates, both new and aged, typically without the use of primers or extensive surface preparation.

**Polyshield HT-SL™** Polyshield HT-SL™ is a fast-set, high-performance, spray applied, plural-component, pure polyurea elastomer. This system is based on amine-terminated polyether resins, amine chain extenders, and prepolymer. It provides a cost effective flexible, tough, resilient monolithic membrane with water and chemical resistance.

**Decorative fountain protection**

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**

- **Polyshield HT-SL™**: Tensile Strength, psi ASTM D412
  - 4400 psi
- **Ultra Bond 100™**: Tensile Strength, psi ASTM D412
  - 3000 psi
- **PolyShield Hi-E™**: Tensile Strength, psi ASTM D412
  - 2500 psi

- **Polyshield HT-SL™**: Elongation ASTM D 412
  - > 450%
- **Ultra Bond 100™**: Elongation ASTM D 412
  - 720% ±50
- **PolyShield Hi-E™**: Elongation ASTM D 412
  - 720% ±50

- **Polyshield HT-SL™**: Tear Resistance, pli ASTM D 624
  - 430 pli ± 50
- **Ultra Bond 100™**: Tear Resistance, pli ASTM D 624
  - 380 pli ± 50
- **PolyShield Hi-E™**: Tear Resistance, pli ASTM D 624
  - 400 pli ± 50

- **Polyshield HT-SL™**: Shore Hardness A & D ASTM D 2240
  - 55 D
- **Ultra Bond 100™**: Shore Hardness A & D ASTM D 2240
  - 42 D
- **PolyShield Hi-E™**: Shore Hardness A & D ASTM D 2240
  - 39 ± 5% D

- **Polyshield HT-SL™**: Abrasion Resistance ASTM D 4060
  - H 18 Wheel 92 mg. lost
- **Ultra Bond 100™**: Abrasion Resistance ASTM D 4060
  - n/a
- **PolyShield Hi-E™**: Abrasion Resistance ASTM D 4060
  - n/a

- **Polyshield HT-SL™**: Application Temperature
  - < 0° to > 100°F
- **Ultra Bond 100™**: Application Temperature
  - < 0° to > 100°F
- **PolyShield Hi-E™**: Application Temperature
  - < 0° to > 100°F

- **Polyshield HT-SL™**: Service Temperature
  - -60° to +250°F
- **Ultra Bond 100™**: Service Temperature
  - -50° to +200°F
- **PolyShield Hi-E™**: Service Temperature
  - -60° to +300°F

- **Polyshield HT-SL™**: Return to Service
  - 24 Hours
- **Ultra Bond 100™**: Return to Service
  - 24 Hours
- **PolyShield Hi-E™**: Return to Service
  - 24 Hours

Eco-friendly Koi pond liner
Large pond fountains
Water feature after
Water feature before
Decorative fountain protection
Large fountain ponds
Municipal fountains and decorative displays
Decorative Koi ponds
Natural swimming ponds
Retention and evaporation ponds
Water park and recreation facilities
Natural swimming pond polyurea liner
Decorative fountain protection
Polyshield Hi-E™
Ultra Bond-100™
Polyshield HT-SL™