

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 Food and Agriculture 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 wider-range of temperatures (below 0° to >100° F)
- Contains 100% solids, no VOCs, solvents or ozone depleting ingredients



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](http://www.specialty-products.com)

PROTECTIVE COATING SOLUTIONS  
**Food & Agriculture**

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**Leading GRACO® Equipment and Parts Distributor**



The multi-billion dollar Food and Agriculture Industry plays a vital role in feeding the world's population. The infrastructure needed to take the raw food from the farm to your dinner table ensuring it's safe to eat requires a significant investment. In the U.S., the FDA and Food and Agriculture Industry work closely together to mitigate this public health threat. Unfortunately, cleaning processes don't always stop food contamination, as bacteria can find its way into nooks and the smallest of quarters. Expensive processing equipment can also be prematurely worn down from accelerated corrosion and abrasion damage due to repeated cleaning and everyday wear and tear. The Food and Agriculture Industry needs a reliable coating solution to protect and extend the service life of their investment.

SPI's polyurea protective coatings are FDA – 21 CFR 175.300 (c)/(d) certified for direct food contact. These fast-set elastomers create a high strength, waterproof, flexible, seamless membrane that protects concrete, wood, metal, and many other surfaces. They provide a durable surface that can withstand repeated power washing and are resistant to many sanitizing chemicals.

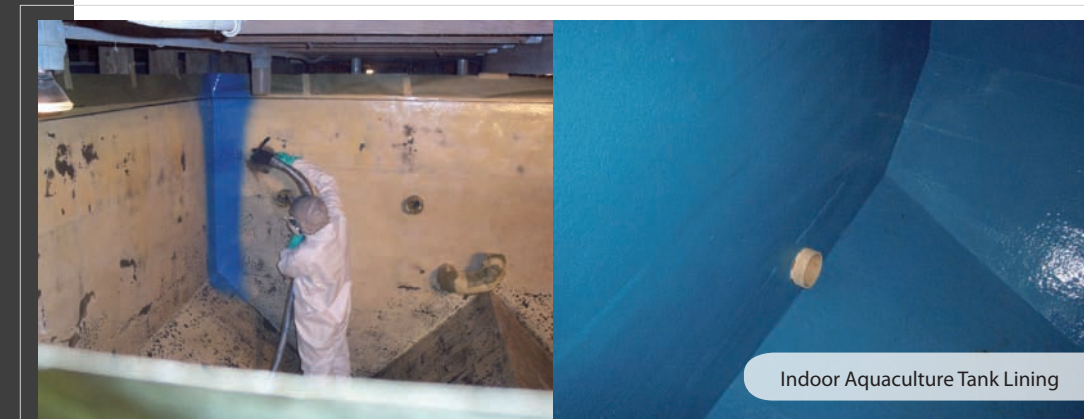
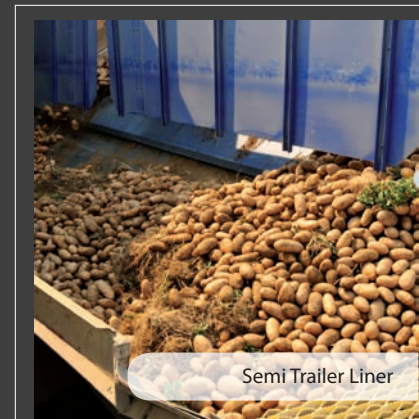
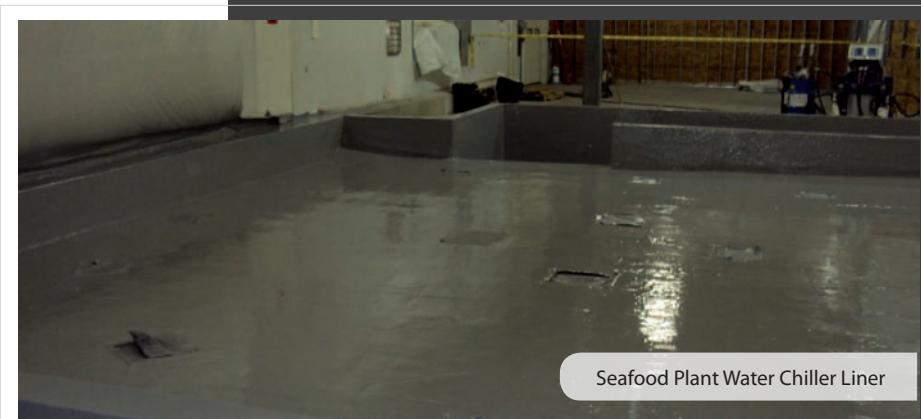
## FOOD & AGRICULTURE INDUSTRY SOLUTIONS

**Protect surfaces in food processing plants and facilities**

**Food and beverage interior storage tank linings**

**Food transportation liner for semi-truck trailers and railroad cars**

**Non-slip surface for floors, walkways, and loading areas**



## FEATURED INDUSTRY SOLUTIONS

### Ultra Bond-HT FC™

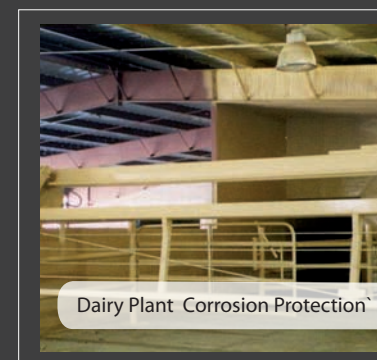
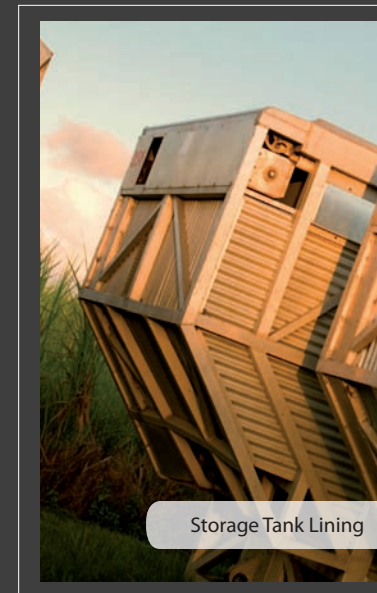
Ultra Bond-HT FC™ is a high tensile, high elongation, high build, fast set, elastomer, that is compliant with FDA 21 CFR 175 300 (c) / (d) high temperature, heat-sterilized, non-acid aqueous food contact, specifically formulated to provide a tenacious bond to certain thermoset plastic surfaces. Unlike most spray applied Polyureas, Ultra Bond-HT-FC™ has the unique advantage of adhering to many polymeric substrates, both new and aged, typically without the use of primers or extensive surface prep.

### Polyshield HT-Slow-FC™

Polyshield HT-Slow-FC™ is a state-of-the-art, high performance, sprayed, plural-component, pure polyurea elastomer, that is compliant with FDA 21 CFR 175 300 (c) / (d) high temperature, heat-sterilized, non-acid aqueous food contact. This system is based on amine-terminated polyether resins, amine chain extenders and prepolymers. It provides a flexible, tough, resilient monolithic membrane with water and chemical resistance.

### Polyshield HT-100F™

Polyshield HT-100F™ 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 prepolymers. It provides a cost-effective flexible, tough, resilient monolithic membrane with water and chemical resistance. Polyshield HT-100F™ is an excellent choice of elastomer to topcoat geo-textile fabrics for primary or secondary containment.



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	Ultra Bond HT-FC™	Polyshield HT-Slow-FC™	Polyshield HT-100F™
<b>Tensile Strength, psi ASTM D412</b>	> 4200 psi	3966 psi	> 3700 psi
<b>Elongation ASTM D 412</b>	> 380%	526%	300%
<b>Tear Resistance, pli ASTM D 624</b>	500 pli ± 50	457 pli ± 50	483 pli ± 50
<b>Shore Hardness A &amp; D ASTM D 2240</b>	50-55 D	42 D	±55 D
<b>Abrasion Resistance ASTM D 4060</b>	n/a	H 18 Wheel 36 mg. lost	CS 17 Wheel 0.2 mg. lost
<b>Application Temperature</b>	< 0° to > 100°F	< 0° to > 100°F	< 0° to > 100°F
<b>Service Temperature</b>	-50° to +200°F	-60° to +250°F	-60° to +250°F
<b>Return to Service</b>	24 Hours	24 Hours	24 Hours