

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 Mining 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



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!



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PROTECTIVE COATING SOLUTIONS Mining Industry

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Leading GRACO® Equipment and Parts Distributor



The mining environment takes a tremendous toll on infrastructure and equipment. Extreme temperatures, moisture, dust, air, and the tough process of extracting precious resources, create a perfect atmosphere for corrosion and abrasion damage. This eventually impedes the efficiency of equipment, reduces the integrity of structures, minimizes productivity, and increases maintenance costs.

Originally developed as blast mitigating polymers for a U.S. Government entity, SPI discovered that the next generation of polyurea offers the highest level of abrasion and impact protection. Specialty Products' advanced, industrial strength polyurea coatings create an impermeable, airtight, abrasion and impact-resistant barrier that provides tenacious protection from the harsh mining environment.

MINING INDUSTRY APPLICATIONS

Metal walls, floors and roof decks

Steel structures, I-beams, tanks, stairs

Sludge processing/slurry tanks, clarifiers and pipelines

Silos, chutes, hoppers, classifier and shaker screens

Roller and belt protection

Truck and equipment bed liners

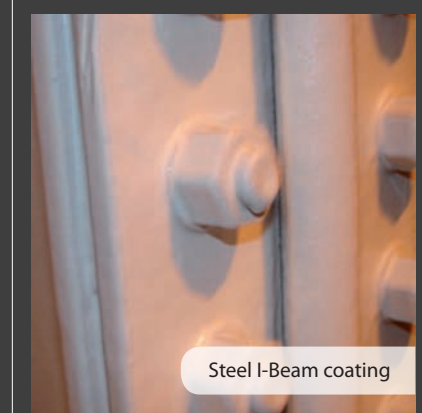
Evaporation pit and earthen containment liners



Corrosion and abrasion protection



Steel tank before and after corrosion protection



Steel I-Beam coating



Conveyor, chute, hopper protection

FEATURED INDUSTRY SOLUTIONS

K5™

K5™ is an ultra high-strength, high-elongation polyurea, originally developed as a resilient blast resistant polymer. Soon after, it was discovered that K5™ is exceptionally resistant to abrasion, compared to other spray applied coatings. K5™ can be sprayed on to virtually any surface configuration, at any thickness. Therefore, it can be selectively applied to high wear areas.

HT-100F UB™

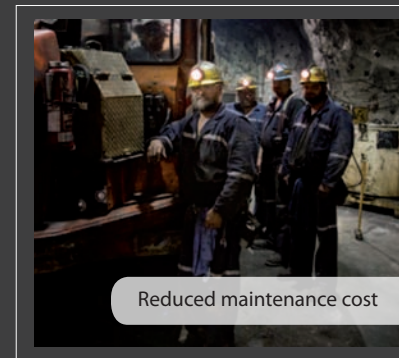
HT-100F UB™ is a high tensile, high elongation, high build, fast-set, elastomer, specifically formulated to provide a tenacious bond to certain thermoset plastic surfaces. Unlike most spray-applied polyureas, HT-100F UB™ has the unique advantage of adhering to many polymeric substrates, both new and 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.

PTU™

PTU™ is a new generation of high-performance polyurea coating and is the result of six years of development and field testing. This chemical resistant coating provides high-ductility, allowing it to move with expanding and contracting surfaces. PTU™ can be sprayed to any thickness in one application and returned to service in a matter of hours.



Concrete sludge/slurry tank liner



Reduced maintenance cost

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	PTU™	HT-100F UB™	K5™
Tensile Strength, psi ASTM D412	> 3000 psi	> 3900 psi	> 5500 psi
Elongation ASTM D 412	100%	> 300%	> 300%
Tear Resistance, pli ASTM D 624	n/a	n/a	690 pli avg
Shore D Hardness ASTM D 2240	65 D	55 D	57 D
Abrasion Resistance ASTM D 4060	n/a	n/a	H 18 Wheel 33 mg. lost
Application Temperature	< 0° to > 100°F	< 0° to > 100°F	< 0° to > 100°F
Service Temperature	*	-50° to +200°F	-40° to +200°F
Return to Service	12 - 24 Hours	24 Hours	24 Hours

* Contact SPI for technical information.