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 Oil and Gas 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

www.specialty-products.com

**PROTECTIVE COATING SOLUTIONS**
**Oil & Gas Industry**

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Leading GRACO® Equipment and Parts Distributor
The toughest and most durable protective coatings in the industry

**FEATURED INDUSTRY SOLUTIONS**

**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.

**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 prepolymer.

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.

**Polyshield HT™**
Polyshield HT™ is the workhorse of the polyurea protective coating industry. Millions of square feet of this product have been successfully applied worldwide. This advanced coating combines high elongation and tensile strength properties to form a tough, flexible, resilient monolithic membrane with water and chemical resistance.

OIL AND GAS INDUSTRY APPLICATIONS

Interior and exterior protection of steel and concrete tanks
Above- and below-ground pipe and tank encapsulation
Secondary containment liners for spill protection
Evaporation pit and earthen containment liners
Non-skid and corrosion resistant flooring, walls, and roofs

The world needs energy, and the Oil and Gas Industry plays a critical role in meeting energy demands and driving the global economy. The processes involved in producing oil and gas are highly complex and capital-intensive. Government regulations also require secondary containment enclosures capable of protecting the environment from accidental spills. Oil and gas companies need reliable solutions that will protect the environment and critical infrastructure.

Modern polymer chemistry has evolved with the invention of SPI’s PTU™ polyurea, the next generation of chemical-resistant coatings. PTU™ is a durable, seamless, flexible coating that is resistant to many petroleum-based chemicals, hydrocarbons, and other caustic substances. Pipes, pipelines, tanks, and equipment are expensive to replace and SPI’s protective coating solutions will substantially extend their service life at a fraction of the replacement costs.

Specialty Products has over 40 unique polyurea elastomeric 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.

FEATRED INDUSTRY SOLUTIONS

<table>
<thead>
<tr>
<th>Test Method</th>
<th>Polyshield HT™</th>
<th>HT-100F™</th>
<th>PTU™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength, psi ASTM D 412</td>
<td>4219 psi</td>
<td>&gt; 3700 psi</td>
<td>&gt; 3000 psi</td>
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<tr>
<td>Elongation ASTM D 412</td>
<td>619%</td>
<td>&gt; 300%</td>
<td>100%</td>
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<tr>
<td>Tear Resistance, pli ASTM D 624</td>
<td>612 pli ± 50</td>
<td>483 pli ± 50</td>
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<tr>
<td>Shore D Hardness ASTM D 2240</td>
<td>52-44 D</td>
<td>≤ 55 D</td>
<td>65 D</td>
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<tr>
<td>Abrasion Resistance ASTM D 4060</td>
<td>H 18 Wheel 109 mg. lost</td>
<td>CS 17 Wheel 0.2 mg. lost</td>
<td>n/a</td>
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<tr>
<td>Application Temperature</td>
<td>-20° to &gt; 100°F</td>
<td>-20° to &gt; 100°F</td>
<td>-20° to &gt; 100°F</td>
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<tr>
<td>Service Temperature</td>
<td>-60° to +250°F</td>
<td>-60° to +250°F</td>
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<tr>
<td>Return to Service</td>
<td>24 Hours</td>
<td>24 Hours</td>
<td>12-24 Hours</td>
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</tbody>
</table>

* Contact SPI for technical information.