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 Wastewater 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

**PROTECTIVE COATING SOLUTIONS**

Wastewater Industry

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Leading GRACO® Equipment and Parts Distributor
Expanding global development has led to a steady increase on the demand and capacity of wastewater infrastructure. However, a significant share of the globally produced effluents is still discharged into rivers and streams without prior treatment. This adds to the importance of large wastewater treatment plants for protecting public health, surface and ground water, to ensure a sustainable water supply. Properly treating and containing sewage presents a continual challenge. Wastewater sewage produces hydrogen sulfide gas that breaks down and deteriorates concrete surfaces. This can lead to potential spills and increased maintenance costs.

Specialty Products’ high-performance polyurea coatings provide superior protection for the Wastewater Industry. These durable elastomeric coatings form an impermeable barrier that is resistant to hydrogen sulfide gas, water, and many chemicals. SPI’s polyurea coatings help to protect the environment and dramatically extend the service life of wastewater infrastructure.

### WASTEWATER INDUSTRY APPLICATIONS

- Protection of sewage digesters and clarifying tanks
- Tunnel and sewer manhole preservation and restoration
- Protection of above- and below-ground pipes
- Secondary containment liners for spill protection
- Non-skid and corrosion-resistant flooring, walls, and roofs

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**FEATURED INDUSTRY SOLUTIONS**

**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.

**Polyshield HT™**

Polyshield HT™ is the work-horse 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.

**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.

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**Dry Properties & Test Methods**

<table>
<thead>
<tr>
<th>Property</th>
<th>HT-100F UB™</th>
<th>Polyshield HT™</th>
<th>PTU™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength, psi</td>
<td>&gt; 3900 psi</td>
<td>4219 psi</td>
<td>&gt; 3000 psi</td>
</tr>
<tr>
<td>Elongation</td>
<td>&gt; 300%</td>
<td>619%</td>
<td>100%</td>
</tr>
<tr>
<td>Tear Resistance, pli</td>
<td>n/a</td>
<td>612 pli ± 50</td>
<td>n/a</td>
</tr>
<tr>
<td>Shore D Hardness</td>
<td>55 D</td>
<td>52-44 D</td>
<td>65 D</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>n/a</td>
<td>H 18 Wheel 109 mg. lost</td>
<td>n/a</td>
</tr>
<tr>
<td>Application Temperature</td>
<td>&lt; 0° to &gt; 100°F</td>
<td>&lt; 0° to &gt; 100°F</td>
<td>&lt; 0° to &gt; 100°F</td>
</tr>
<tr>
<td>Service Temperature</td>
<td>-50° to +200°F</td>
<td>-60° to + 250°F</td>
<td>*</td>
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<tr>
<td>Return to Service</td>
<td>24 Hours</td>
<td>24 Hours</td>
<td>12 - 24 Hours</td>
</tr>
</tbody>
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* Contact SPI for technical information.