PTU™ 300 UB pure polyurea is a new generation of high-performance polythiourea coating that compliments the established field performing PTU™. Unlike most spray-applied polyureas, PTU™ 300 UB is available with SPI's cutting-edge ULTRA BOND™ technology. SPI's advanced ULTRA BOND™ chemistry is coined “the duct tape molecule”. ULTRA BOND™ has the unique advantage of adhering to most properly prepared organic and inorganic (new and aged) surfaces without requiring a primer. Like duct tape, PTU™ 300 UB with Ultra Bond™ gains adhesion over time. This chemical resistant coating offers superior chemical resistance to short chain alcohols for primary and secondary containment applications, at an economical price. PTU™ 300 UB can be sprayed to any thickness in one application and returned to service in a matter of hours.

### FEATURES
- An elastomer with chemical resistance; comparable to many epoxies.
- Self-priming in most instances, with strong adhesion.
- Return to service within hours not days (foot traffic 1 hour, vehicle traffic 4 hours).
- Typically applied in a single ‘multi-pass’ application.
- Eco-friendly, 100% solids, and no VOCs.

### DRY PROPERTIES*
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength ASTM D638</td>
<td>± 4,100 psi (21 mpa)</td>
</tr>
<tr>
<td>Elongation ASTM D638</td>
<td>± 211%</td>
</tr>
<tr>
<td>Hardness (Shore A) ASTM D2240</td>
<td>100 ± 5</td>
</tr>
<tr>
<td>Hardness (Shore D) ASTM D2240-81</td>
<td>60 ± 5</td>
</tr>
<tr>
<td>Service Temperature</td>
<td>-40° - +200°F (-45° - +93°C)</td>
</tr>
</tbody>
</table>

*All cured film properties are approximate since processing parameter, ad-mixture types, and quantities change physical properties of the cured elastomer. All samples for above tests were force cured 48 hours or aged for more than three weeks. It is recommended that the user perform their own independent testing.

It is recommended that oxidized surfaces be power washed with 2500—3500 psi water pressure to achieve maximum adhesion of PTU™ UB. If there is a possibility of surface contamination, scrub with a solution of 1/4 tsp. Dawn detergent plus 1 tbsp. of vinegar, per 1 gallon of warm water, followed by a thorough water rinse. If oxidation on existing surface is unable to be removed with pressure washing, mechanical abrading may be required.

Note: Currently, this product is manufactured exclusively in our Lakewood, Washington facility. Therefore, please allow additional transit time and additional transportation charges to certain geographic areas.

### RECOMMENDED USES
- Primary and secondary containment.
- Steel tanks, concrete tanks, and silos.
- Barge and ship holds.
- Oil and gas pipelines.
- Waste water treatment facilities.
- Chemical transportation.
- Industrial flooring.
- Pulp and paper industry.
- Asbestos and lead encapsulation.

### COLORS
PTU™ 300 UB is available in SPI standard colors. Custom colors will be quoted upon request. It should be noted that PTU™ 300 UB is an aromatic polyurea; therefore, as with all aromatics, color change and superficial oxidation will occur.

### PACKAGING
This product sold in standard 110 gallon drum and 550 gallon tote sets. Available in other container sizes, contact sales representative for further information. Non-standard containers may require a longer lead time.
**GENERAL APPLICATION INSTRUCTIONS**

Apply PTU™ 300 UB only to clean, dry, sound surfaces free of loose particles or other foreign matter. PTU™ 300 UB can be sprayed over a broad range of ambient and substrate temperatures.

It is recommended that PTU™ 300 UB be sprayed in multi-directional (north-south/east-west) passes to ensure uniform thickness.

Follow the instructions attached to “A” and “B” containers.

Contact technical service personnel for specific recommendations and pricing. As well as the availability of spray and auxiliary equipment.

- **Standard 1:1 ratio**, heated, plural-component equipment developing a minimum of 2500 psi dynamic pressure (13.90 mpa) with heating capabilities to 165° F (74 °C) will adequately spray PTU™ 300 UB. These include Graco HXP3, HXP2, EXP2 and PMC PHX-40. Gun models include Graco Fusion MP, GX7-DI and Gusmer GX7-400.
- Pre-heater temperature should be at 160-170°F (71-76 °C).
- Hose temperature should be at 160 -170° F (71-76°C). A hose thermometer inserted under the insulation near the gun should read a minimum of 145-155°F (63-68°C).
- Physical properties will be enhanced when sprayed at higher pressure (3000 psi or more) (20.8mpa), utilizing an impingement mix gun such as the MP Fusion or GX7-DI.

**LIMITATIONS**

This product is for professional use only.

This product must be stored at temperatures between 60 – 90F (15 – 32C).

Apply product when surface and air temperatures are above 40°F (5°C) and the surface temperature is at least 5°F (3°C) above dew point and rising.

Note: The material supplied is a two component system (Component “A”/Component “B”), which is used to formulate this product. The quality and characteristics of the finished polymer is determined by the mixture and application of the two components.

Avoid moisture contamination in containers. Containers should not be resealed if contamination is suspected. CO₂
pressure can develop. Do not attempt to use contaminated material.

**GENERAL SAFETY, TOXICITY, & HEALTH**

Safety Data Sheets are available for this coating material. Any individual who may come in contact with these products should read and understand the S.D.S. CHEMTREC EMERGENCY NUMBER 1-800-424-9300 INT’l 1-703-527-3887.

**WARNING:** Contact with skin or inhalation of vapors may cause an allergic reaction. Avoid eye contact with the liquid or spray mist. Hypersensitive persons should wear protective clothes, gloves and use protective cream on face, hands and exposed areas.

**CLEAN UP:** Use DPM, NMP, and Polyclean.

**EYE PROTECTION:** Safety eye wear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield.

**SKIN PROTECTION:** Personal protective equipment for the body should be selected based on the task being performed; the risks involved, and should be approved by an industrial hygiene specialist before handling this product. Chemical resistant gloves are recommended. Cover as much of the exposed skin area as possible with appropriate clothing.

**RESPIRATORY PROTECTION:** Harmful if inhaled and may cause allergy or asthma symptoms. Use a respirator approved for isocyanates and organic vapors. If you are not sure, or not able to monitor levels, or if you are spraying in an enclosed/indoor area, use MSHA/NIOSH approved supplied air respirator. Consider the application and environmental concentrations when deciding if additional protective measures are necessary.

**INGESTION:** Do not take internally. It is believed that ingestion of polymeric isocyanates would not be fatal to humans, but may cause inflammation of mouth and stomach tissue.

**WARRANTY & DISCLAIMER**

Specialty Products, Inc. has no role in the manufacture of the finished polymer other than to supply its two components. It is vital that the person applying this product understands the product, and is fully trained and certified in the use of plural-component equipment. Specialty Products, Inc., an Alaska corporation, warrants only that the two components of this product shall conform to the technical specifications published in the product literature. The quality and fitness of the product are dependent upon the proper mixture and application of the components by the applicator. There are no warranties that extend beyond the description on the face of this instrument. Failure to apply the product within the parameters stated on this document shall void the warranty. SPECIALTY PRODUCTS, INC. MAKES NO WARRANTY OF MERCHANTABILITY OF THE PRODUCT OR OF FITNESS OF THE PRODUCT FOR ANY PARTICULAR PURPOSE. Specialty Products, Inc. makes no warranty as to the quality of any product modified, supplemented, tinted, or altered in any way after it leaves the manufacturing plant. Specialty Products, Inc. does not warrant that this product is suitable for use as a liner for potable water containers. Use of this product in a potable water container could be hazardous to health if it is improperly processed or applied. The liability of Specialty Products, Inc. for any nonconformity of the product to its technical specifications shall be limited to replacement of the product. The sole exclusive remedy of buyer, which is to have Specialty Products, Inc. replace any nonconforming product at no cost to buyer, is under the condition that the buyer notifies Specialty Products, Inc. or its distributor in writing of such defect within thirty days of the discovery of such defect. Specialty Products, Inc. shall not be liable for any direct, incidental, or consequential damages resulting from any breach of warranty.

The data presented herein is intended for professional applicators or those persons who purchase or utilize this product in the normal course of their business. The potential user must perform any pertinent tests in order to determine the product’s performance and suitability in the intended application, since final determination of fitness of the product for any particular use is the responsibility of the buyer. The aforementioned data on this product is to be used as a guide and is subject to change without notice. The information herein is believed to be reliable, but unknown risks may be present. Specialty Products, Inc. makes no warranties, expressed or implied, including patent warranties or warranties of merchantability or fitness of use, with respect to products or information set forth herein. Nothing contained herein shall constitute permission or recommendation to practice any invention covered by a patent without a license from the owner of the patent. Accordingly, the buyer assumes all risks whatsoever as to the use of these materials and buyer’s exclusive remedy as to any breach of warranty, negligence, or other claim shall be limited to the purchase price of the materials. Failure to adhere to any recommended procedures shall relieve Specialty Products, Inc. of all liability with respect to the materials and the use thereof.