



<b>DESCRIPTION</b>	Speedliner Epic is a high performance urethane elastomeric texture coating, specifically designed for high build applications. This product is especially formulated to have high tensile and tear resistance with outstanding abrasion resistance for extreme durability. When fully cured, Speedliner Epic forms an extremely tough, abrasive resistant rubber coating, especially well-suited for applications requiring protection from impact, abrasion, or corrosion on metal, wood or concrete surfaces. Speedliner Epic textured surfaces provide excellent non-slip surfaces in both wet and dry environment.																								
<b>USES</b>	Resistance to wear and abrasion in wet environments. High tear resistance without adding Kevlar fiber. Non-Slip wood or concrete floors and walkways.																								
<b>FEATURES</b>	<p>Easy application: using a simple Hopper gun used for plaster applications, available at most hardware stores or for higher volume applications, a Binks pressure pot and Binks 2001 spray gun. Speedliner Epic does not require a humidity controlled environment for application. U.V. stable - can be applied in almost any color. Convenient pre-measured one gallon kits.</p> <p>Speedliner Epic has excellent abrasion resistance and will out wear many other materials when subjected to impingement or slurry abrasion.</p> <p>Speedliner Epic has been successful at temperatures up to 180°F. Under wet or humid conditions at elevated temperatures Speedliner Epic is superior to most other urethanes. Although Speedliner Epic becomes stiffer at lower temperatures it still remains flexible at temperatures as low as -97.6°F. Resistance to most oils at room temperature is good, but resistance to solvents is generally poor. The table below gives an indication of resistance to some chemicals; however, users should conduct their own tests.</p> <table border="1" data-bbox="354 846 1511 1077"> <thead> <tr> <th>Chemical</th> <th>Resistance</th> <th>Chemical</th> <th>Resistance</th> </tr> </thead> <tbody> <tr> <td>Chlorinated Water</td> <td>E</td> <td>Sea Water</td> <td>E</td> </tr> <tr> <td>Nitric Acid, 5%</td> <td>P</td> <td>Toluene</td> <td>P</td> </tr> <tr> <td>Hydrochloric Acid , 5%</td> <td>P</td> <td>Methyl Ethyl Ketone</td> <td>P</td> </tr> <tr> <td>Phosphoric Acid, 10%</td> <td>G</td> <td>Ammonia</td> <td>F</td> </tr> <tr> <td>Sodium Hydroxide, 10%</td> <td>P</td> <td>Kerosene</td> <td>P</td> </tr> </tbody> </table> <p>G – Good      E – Excellent      F – Fair      P - Poor</p>	Chemical	Resistance	Chemical	Resistance	Chlorinated Water	E	Sea Water	E	Nitric Acid, 5%	P	Toluene	P	Hydrochloric Acid , 5%	P	Methyl Ethyl Ketone	P	Phosphoric Acid, 10%	G	Ammonia	F	Sodium Hydroxide, 10%	P	Kerosene	P
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<b>MIXING AND APPLICATION</b>	<p>The resin portion of Speedliner Epic will crystallize when exposed to temperatures below 40°F and the curative portion may crystallize when exposed to temperatures below 20°F. This does not harm the components; however, the resin component should be warmed to 90°F - 100°F and the curative component to room temperature and each component mixed well before using. The components should not be overheated and should be cooled to room temperature before mixing together. After long term storage it is a good policy to stir each component before adding them together.</p> <p>Speedliner Epic should only be applied to surfaces that have been properly prepared. Most common materials, such as steel, aluminum, fiber-glass, rubber, urethane, brick, concrete and wood can be coated with Speedliner Epic (when coating surfaces other than steel truck beds please contact your Speedliner distributor for special preparation and priming procedures update). To obtain maximum adhesion most substrates must be abraded, grit- blasted, or etched before applying primer and Speedliner Epic. New metal surfaces should be grit-blasted to SSPC-SP-10 "Near White Metal Blast" and should exhibit a 2 to 4 mil surface profile. Metallic substrates must always be dry and primed with Ultra Prime 450 before applying Speedliner Epic.</p> <p>Equipment must be cleaned immediately after use to prevent buildup of cured urethane on internal parts of equipment. Solvents, such as toluene or M.E.K. works well for cleaning soiled spray equipment. As soon as urethane spraying is completed, solvent should be pumped through the pump, hose and spray gun until solvent comes out clear.</p> <p>Vapors from Speedliner Epic contain isocyanates and solvents. Forced air ventilation must be used for all indoor applications. When working in tanks and other closed vessels or downstream from spray gun, fresh air breathing equipment should be worn. Chemical cartridge masks suitable for organic vapors may be used under some conditions with adequate ventilation. Protective clothing should be worn at all times. Both resin and curative components contain flammable solvents and should be protected from sparks and open flames. Avoid contact of components with skin and clothing as both resin and curative can cause skin and eye irritation. In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. If swallowed, DO NOT induce vomiting. Call a physician at once. Keep out of reach of children.</p>																								



<b>REPAIR OF CURED COATING</b>	Speedliner Epic may be repaired by grinding the surface with a wire brush and electric drill then cleaning with M.E.K. (Methyl Ethyl Ketone). Then prime the surface with Ultra Prime 450 and applying more Speedliner Epic.														
<b>PHYSICAL PROPERTIES</b>	Mix Ratio By weight Mix Ratio By volume Color Working Life @ 72°F Specific Gravity: (Mixed) Weight/Gallon Mixed % Solids by Volume Hardness @ 72° F Tensile Strength Elongation Tear Strength Dielectric Strength Taber Abrasion (Taber Model 502) with C-17 Wheel @ 1000 grams load Brittleness Temperature Federal Motor Vehicle Flammability Test	Mixed:       ASTM 2240 ASTM D-412 Die C ASTM D-412 Die C ASTM D-624 ASTM D-149-97a Method A ASTM D-3389-94 ASTM D-746 FMVSS-302	100 parts A/ 31 part B 100 parts A/ 33 parts B Clear with 19 available colors 45 minutes 0.929 7.74 lbs. 65% 85-95 Shore A 7360 psi 408% 1357 (lbs./in.) 278 (V/mil) Abrasion loss (mg/1000 rev.) +/- 0.0035 mg/revolution -97.60°F (-72°C) Pass												
<b>WORKING PROPERTIES</b>	<p>The time required for Speedliner Epic to cure is dependent upon temperature. A 75% cure is generally sufficient for mild abrasion and submersion. The cure times shown below are for a 100 mil thick coating; cure times should be increased by 50% for a 250 mil thick coating.</p> <table border="1" data-bbox="342 1050 1523 1161"> <thead> <tr> <th></th> <th>50°F</th> <th>75°F</th> <th>100°F</th> </tr> </thead> <tbody> <tr> <td>Cure Time 75%</td> <td>6 days</td> <td>3 days</td> <td>1 day</td> </tr> <tr> <td>Cure Time 95%</td> <td>15 days</td> <td>7 days</td> <td>3 days</td> </tr> </tbody> </table>				50°F	75°F	100°F	Cure Time 75%	6 days	3 days	1 day	Cure Time 95%	15 days	7 days	3 days
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<b>CURE TIMES</b>	<p>Dispose of all empty Speedliner Epic component containers in accordance with local, state and federal regulations. Empty component containers can be rendered non-hazardous by rinsing the containers with a small amount of mixed material and allowing the solvents to evaporate. The containers will then contain non-hazardous cured urethane.</p>														
<b>CLEAN UP</b>	<p>Speedliner Epic components are shipped from the factory in sealed containers that are purged with dry nitrogen. The containers should be kept tightly sealed and stored in a cool and dry area that is protected from direct sunlight and moisture. Storage temperatures should not exceed 80°F. The shelf life of factory sealed containers stored under these conditions is one year.</p> <p>Containers that have been opened should be resealed immediately after material has been removed in order to prevent moisture contamination and solvent evaporation. Resin component containers should be purged with dry nitrogen if the contents are not used within 24 hours after opening.</p>														
<b>STORAGE AND SHELF LIFE</b>	<p>Class 92.5 Hazardous</p>														
<b>SHIPPING CLASS</b>															