

SILOTHANE CONCRETE



SILOTHANE SERIES S-4100

PRODUCT DATA SHEET

PRODUCT OVERVIEW	BENEFITS
Silothane Concrete is a 2K clear coat silane system designed for long-term protection of porous substrates such as concrete.	Concrete, Pavers, Brick: Silothane Concrete offers water resistance and a smooth, low-slip surface to porous substrates.
FEATURES	SURFACE PREPARATION
<ul style="list-style-type: none">• Excellent hardness• Excellent mar resistance• Excellent abrasion resistance• Excellent UV protection• High heat tolerance (1,000°F)• Good water resistance	General Purpose Cleaning/Degreasing: Use a mild detergent and a clean cloth, scrubbing brush, spray bottle, pump-up sprayer or pressure washer to clean the substrate and thoroughly rinse the surface to remove any residue prior to coating. If cleaning/coating a vertical surface, work from the top of the substrate down. The substrate must be completely dry prior to Silothane Concrete application.
FINISH	COATING PREPARATION
Available in: <ul style="list-style-type: none">• Gloss (3 Parts A : 1 Part B)• Semi-Gloss (1 Part A : 3 Parts B)	<p><i>The mixing instructions for Silothane Concrete must be followed precisely for optimum performance. Refer to the SDS for proper chemical handling.</i></p> <p><i>Mix Parts A and B in a clean glass, metal, or HDPE container.</i> <i>Gloss: 3 Parts A to 1 Part B. Semi-Gloss: 1 Part A to 3 Parts B</i></p> <ol style="list-style-type: none">1. Combine Parts A and B. Product will become yellow/green and opaque2. Mix product for 3 to 5 minutes to ensure components are thoroughly combined. For smaller batches (≤32oz), this is possible by hand shaking the capped container. Larger batches can be mixed with a stir stick, variable speed drill or drill press with a mixing paddle attachment.3. Allow the product to react uncapped until it returns to a clear, colorless state. This will take approximately 30 minutes for semi-gloss and up to 2 hours for gloss. If settling or separation of components occurs during the reaction process, repeat mixing. <p>Note: During the mixing process, the combined products may generate a slight exothermic reaction and the sides of the container may feel warm to the touch.</p>
SPREAD RATE	
Recommended Coverage: 350 - 500 sq.ft. per gallon	
SUBSTRATES	APPLICATION METHODS
<ul style="list-style-type: none">• Concrete• Pavers• Brick	<p>After Part A and Part B are adequately mixed and the reaction has been completed, the coating can be applied to the prepared substrate. For all substrates, Silothane Concrete can be sprayed, brushed or rolled.</p> <p>Apply by spraying, brushing with a high quality brush, wiping with a paint pad, or dipping. The amount of coverage per gallon is dependent upon the substrate, the applicator and the equipment used.</p>

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SPECIFICATIONS	DRY TIMES
<p>Binder Type: Polysiloxane</p> <p>Gloss: Volume Solids: 71 ± 4% Weight Solids: 71 ± 4%</p> <p>Semi-Gloss: Volume Solids: 24 ± 4% Weight Solids: 24 ± 4%</p> <p>Part A: Weight per gallon: 8.3 lb Flash point: 73°F/23°C</p> <p>Part B: Weight per gallon: 8.1 lb Flash point: > 150°F/66°C</p> <p>Shelf Life: 12 months, unopened Pot Life: 24 hours * temperature dependent</p>	<p><i>Silothane Concrete can be air dried or force cured.</i></p> <p>Cure Conditions: 75°F/24°C @ 50% RH</p> <p>Recoat: < 1 hour</p> <p>Dust-Free: 30 minutes</p> <p>Dry to Handle: 1 - 2 hours</p> <p>Full Cure: 10 - 15 days</p>
	CLEAN-UP
<p>PERFORMANCE DATA</p> <p><i>Recommended DFT is 0.1-0.2 mil unless otherwise stated</i></p> <p>Salt Spray: Excellent 4,000hr with no visible effects</p> <p>Solvent Resistance: Good 50+ double rubs</p> <ul style="list-style-type: none">• MEK• Xylene• Acetone <p>Pencil Hardness: Up to 4H</p>	<p>While coating is wet, water may be used for cleaning. After the coating dries, solvents e.g. acetone, MEK) may be required for clean up.</p>