



a floor project completed by

CONCRETE RESTORATION INC.

“Because Your Image is Everything”

CORPORATE HANGAR STERLING

Sterling

801 South Columbus Blvd. St.

Philadelphia, PA 11947



**Sterling Helicopter** got off the ground in 1984, based on the vision of its President Jack Brown, a pilot and aviation enthusiast. Established as an FAA Certified Repair Station for Bell Helicopter, American Eurocopter, Schweizer and Agusta, as well as Bell Helicopter, American Eurocopter and Schweizer Customer Service Facilities, **Sterling** has continued to build an excellent reputation offering professional helicopter services locally, nationally and internationally. **Sterling** meets the needs of municipalities, corporate executives and transient travelers by specializing in safe, experienced, and efficient maintenance and parts and services.





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Before completion.

The finishing touches on the new **Sterling Helicopter** state-of-the-art maintenance facility are complete! **Sterling** will host an Open House in the fall for all of their customers and friends to see the next step in their expansion program.

All of the construction was by **bascon** (architects - engineers - developers - constructors - construction managers), headquartered in Cincinnati, Ohio.



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The completed floor.



**REDFORD Corporation** **U31-1201 Linear Urethane**  
 1075 Kingwood Drive • Kingwood, Texas 77339 • (281) 358-4100

<p><b>Description</b>  <b>REDFORD Corporation U31-1201 linear (aliphatic) urethane</b> is a pure, oil-free high performance coating formulated for maximum chemical and abrasion resistance on aircraft hangar concrete floors. Other successful end uses include a variety of concrete surfaces, as its performance is rated highest of all commercially available coating types.</p> <p><b>Features and benefits</b></p> <ul style="list-style-type: none"> <li>✓ Aesthetics</li> <li>✓ Excellent impact, abrasion, and chemical resistance</li> <li>✓ Tile-like gloss; long term gloss retention</li> <li>✓ Maximum light reflectance</li> <li>✓ Easy to clean</li> <li>✓ Excellent color retention</li> <li>✓ Best resistance to Skydrol</li> <li>✓ Meets VOC regulations of 340 g/liter</li> </ul> <p><b>Preparation</b>            Apply coating to clean, sound substrate. Dusty, soft or greasy concrete will be difficult to coat and may cause delamination. It is often helpful to get a rough profile on the concrete to assure a good mechanical bond. Shot blasting with light shot (brush blast), wire brushing or acid etching can achieve the desired effect. Surfaces should be washed, degreased and vacuumed.</p> <p><b>Application</b>            Apply with medium nap roller, brush, or spray. If necessary, reduce with thinner. For a skidproof surface, immediately broadcast suitable grit onto the wet coating. Skidproof within 15 minutes of coating application.</p> <p><b>Maintenance</b>            For long term floor preservation and care, we recommend <b>REDFORD Corporation's Uni-Clean 1100</b>. Frequency of cleaning will not harm the seal, but do not use abrasive black floor pads, nylon pads, or sandpaper. If you use a floor machine, we recommend using hessian brushes especially if you opt for the slip resistant coating system. Mechanical scrubbers will diminish the gloss but not harm the coating.</p> <p><b>CAUTIONARY INFORMATION</b>            Positive fresh air ventilation is necessary. In confined areas, use fresh air-supplied hood. In well ventilated or open areas, use a chemical cartridge face mask or half mask in accordance with OSHA Standard for specific vapors and vapor concentrations. Protect skin and eyes from spillage and overspray. Avoid prolonged breathing of vapors and mists. Keep away from heat, sparks and open flame. Wash hands thoroughly after using and before eating or smoking. Harmful or fatal if swallowed. If swallowed, do not induce vomiting. Drink 1-2 glasses of water and call physician or poison control center immediately.</p>	<p><b>Typical Properties</b></p> <p><b>Type</b> Two-part high performance polyurethane</p> <p><b>Solids by wt.</b> 66%</p> <p><b>Coverage</b> 350 to 500 sq. ft. per gallon depending on porosity of substrate</p> <p><b>Pot life</b> 4 to 5 hours at 70°F, longer at lower temperatures</p> <p><b>Cure schedule</b></p> <table border="0"> <tr><td>Tack free</td><td>..... 5 to 6 hours</td></tr> <tr><td>Recoat</td><td>..... 6 to 10 hours</td></tr> <tr><td>Light traffic</td><td>..... 12 hours</td></tr> <tr><td>Full cure</td><td>..... 3 to 5 days</td></tr> </table> <p>(Decrease cure schedule time for temperatures above 70 °F)</p> <p><b>Film thickness</b> Recommended 3 to 5 mils wet</p> <p><b>Mix ratio</b> 2 to 1 by volume</p> <p><b>Shelf life</b> 1 year</p> <p><b>Gloss</b> Semigloss High gloss</p> <p><b>Colors</b> Clear, light grey, dark grey, red, green, blue, brown, and special colors such as safety yellow</p>	Tack free	..... 5 to 6 hours	Recoat	..... 6 to 10 hours	Light traffic	..... 12 hours	Full cure	..... 3 to 5 days
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The product used for the topcoat was U31-1201, an aliphatic, high performance urethane.



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Floor completed and in use.

