

### Description

**REDFORD Corporation U31-1201 linear (aliphatic) urethane** 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.

### Features and benefits

- ✓ Aesthetically pleasing
- ✓ Excellent impact, abrasion, and chemical resistance
- ✓ Tile-like gloss; long term gloss retention
- ✓ Maximum light reflectance
- ✓ Easy to clean
- ✓ Excellent color retention
- ✓ Best resistance to Skydrol
- ✓ Meets VOC regulations of 340 g/liter

### Preparation

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.

### Application

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. Skid proof surface is attained within 15 minutes of coating application.

### Maintenance

For long term floor preservation and care, we recommend **REDFORD Corporation's Uni-Clean 1100**. Frequency of cleaning will not harm the seal, but do not use abrasive black floor pads, nylogrit pads, or sandpaper. If you use a floor machine, we recommend using bassine brushes especially if you opt for the slip resistant coating system. Mechanical scrubbers will diminish the gloss, but will not harm the coating.

#### CAUTIONARY INFORMATION

Positive fresh air ventilation is necessary. In confined areas, use fresh air-supplied hood. In well ventilated or open areas, use a chemical canister 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.

## Typical Properties

<b>Type</b>	Two-part high performance polyurethane
<b>Solids by wt.</b>	66%
<b>Coverage</b>	350 to 500 sq. ft. per gallon depending on porosity of substrate
<b>Pot life</b>	4 to 5 hours at 70°F, longer at lower temperatures
<b>Cure schedule</b>	Tack free ..... 5 to 6 hours Recoat ..... 6 to 10 hours Light traffic ..... 12 hours Full cure ..... 3 to 5 days (Decrease cure schedule time for temperatures above 70 °F)
<b>Film thickness</b>	Recommended 3 to 5 mils wet
<b>Mix ratio</b>	2 to 1 by volume
<b>Shelf life</b>	1 year
<b>Gloss</b>	Semigloss High gloss
<b>Colors</b>	Clear, light grey, dark grey, red, green, blue, brown, and special colors such as safety yellow