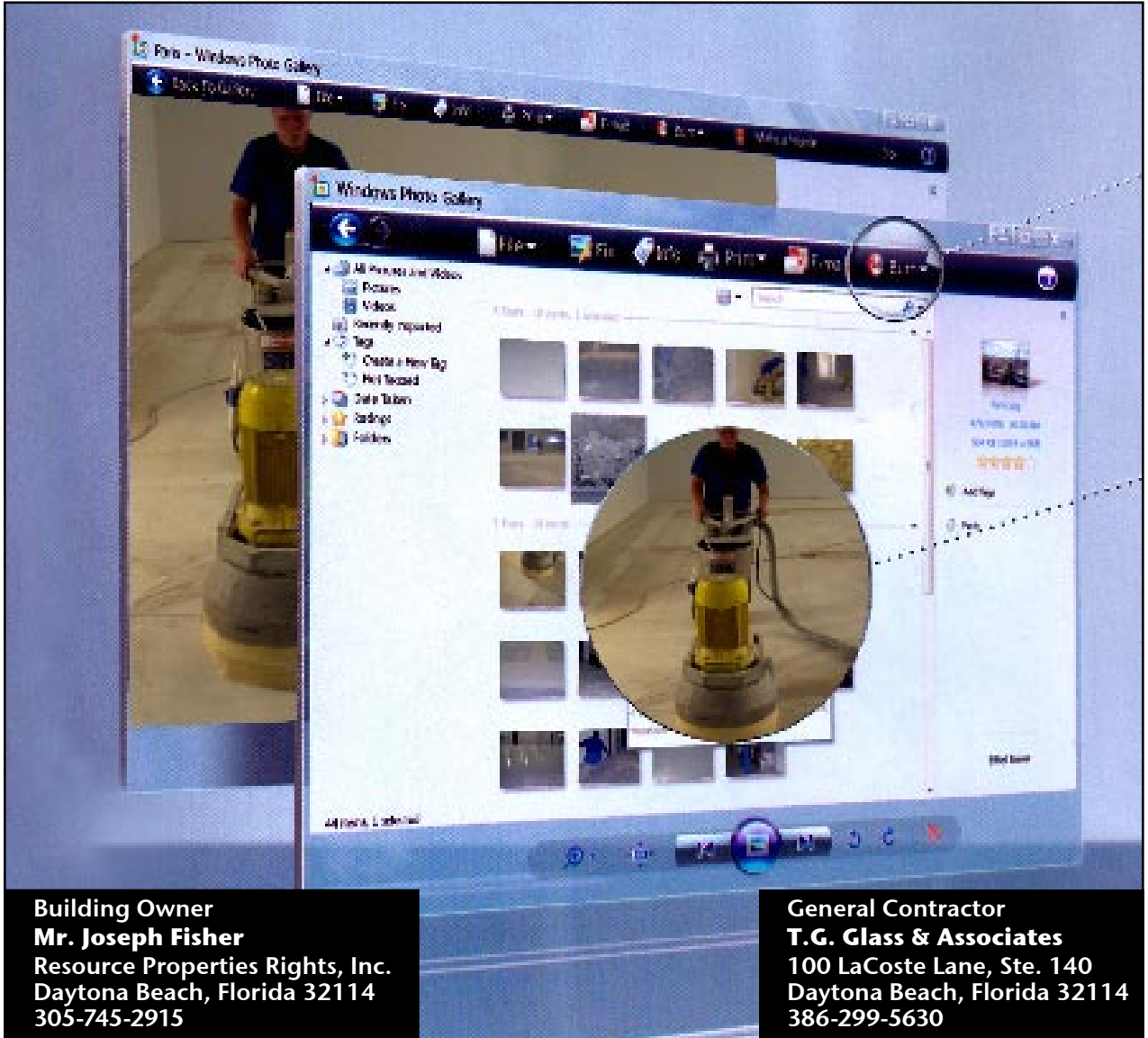




**SCCY Industries**  
 1800 Concept Court  
 Daytona Beach, FL 32114  
 866-729-7599

Gun Manufacturing Facility  
 Daytona Beach, Florida

**SCCY Industries FLOOR CASE HISTORY**



**Building Owner**  
**Mr. Joseph Fisher**  
 Resource Properties Rights, Inc.  
 Daytona Beach, Florida 32114  
 305-745-2915

**General Contractor**  
**T.G. Glass & Associates**  
 100 LaCoste Lane, Ste. 140  
 Daytona Beach, Florida 32114  
 386-299-5630

As one of the leaders in firearm manufacturing, **SCCY Industries** is a company that has been in the making for many years. Joe Roebuck, founder and President of **SCCY Industries**, has been a lifelong shooter, a mechanical engineer, and a professional tool and die maker. Together with his business partner, Brian Eicher, Joe has realized his dream of starting a new firearms company based out of South Daytona, Florida. **SCCY Industries** started shipping firearms in August of 2005, and business has been booming ever since. Joe describes himself as a “quality freak” and a “perfectionist”, and it shows in his products.

**SCCY Industries** is a growing company with experienced leaders. Due to this growth, **SCCY Industries** is moving their “gun manufacturing” operation to a new location in Daytona Beach, Florida. **REDFORD Corporation** is proud to be a part of this project by installing an epoxy/urethane floor coating system.





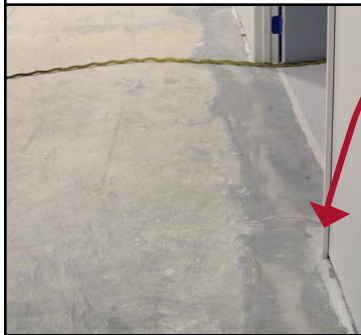
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# SCCY Industries FLOOR CASE HISTORY



Hand grinding wall areas.



Diamond grinding



E31-1204/E31-1202  
Patching Compound



## Floor Coating Specifications

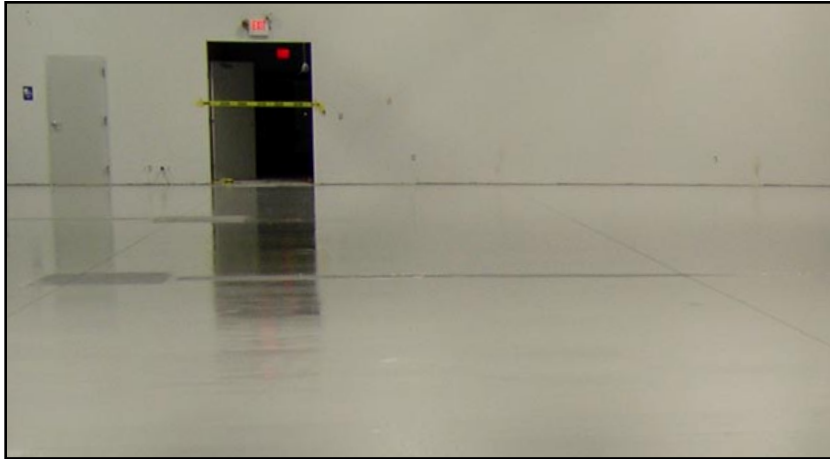
1. Portable vacuum blast ("shot blast")  
[entire floor – 100%]/diamond grind.
2. Crack fill/repair floor imperfections (**E31-1204**).
3. Apply **E31-1202-64/E31-1203** epoxy primers.
4. Apply **E31-1202** (10 epoxy)  
with non-skid aggregate.
5. Apply color topcoats (**U31-1201**).
6. Clean up.

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 Daytona Beach, Florida

**FLOOR CASE HISTORY**



**REDFORD Corporation** Epoxy Coating E31-1202-64  
 1078 Kinnwood Drive • Kinnwood, Texas 77196 • (281) 358-4100

**PRODUCT DESCRIPTION:**  
 E31-1202-64 is a two component solvent based, low modulus weight, polyamide epoxy coating that exhibits excellent characteristics for abrasion resistance, chemical resistance, and adhesion promotion. This product is suitable as a primer for high build coatings and sealers, or as a stand alone finish.

**RECOMMENDED FOR:**  
 Recommended for priming or coating concrete, wood or steel. This product can withstand exposure to many common solvents and chemicals.

<b>SOLIDS BY WEIGHT:</b> Minimum (97% ± 2%)	<b>CURE SCHEDULE (TYP)</b> Part B to 2 gal/ton volume 100% cure (dry to touch) ..... 5-6 hours 100% cure (dry to traffic) ..... 2-4 hours 100% cure (dry to traffic) ..... 4-6 hours 100% cure (dry to traffic) ..... 10-24 hours 100% cure (dry to traffic) ..... 27 days
<b>SOLIDS BY VOLUME:</b> Minimum (52% ± 2%)	<b>APPLICATION TEMPERATURE:</b> 60-90 degrees F
<b>VOLATILE ORGANIC CONTENT:</b> Part A: 1.65 pounds per gallon Part B: 3.75 pounds per gallon	<b>CHEMICAL RESISTANCE:</b>
<b>STANDARD COLORS:</b> White, off white, light gray, medium gray, the red, and beige	REAGENT RATING Acetic acid ..... A Alcohol ..... A Benzene ..... A Gasoline ..... B 10% sodium hydroxide ..... E 10% sodium hydroxide ..... D 10% sodium hydroxide ..... C 10% hydrochloric acid ..... C 10% nitric acid ..... C Sulfuric acid ..... C
<b>RECOMMENDED FILM THICKNESS:</b> 1/8 inch per coat wet thickness (2 mils dry)	<b>PREPARE:</b> None required
<b>COVERAGE PER GALLON:</b> 207 to 120 square feet (1/8 mil wet thickness)	<b>REWORK:</b> Optimal. Many products are suitable on topcoats including multiple coats of this product. For added chemical resistance, color stability or UV stability, repeat with a suitable diisocyanate substrate.
<b>PACKAGING INFORMATION:</b> 2 gallon and 10 gallon kits (volume approx.), 2 gal kit - 1 gallon part A, 1.65 gal (weight approximation) and 1 gal part B (1.16 gal) (weight approximation)	<b>LIMITATIONS:</b> *Colors or gloss may be affected by high humidity, low temperatures, chemical exposure, UV exposure or lighting such as sodium vapor lights. *Product is not UV color stable. *Not for use on a 1/8" gap filler. *High on grade requires moisture barrier. *Substrate temperature must be 77 above dew point. *All new concrete must be cured for at least 30 days. *Product color will vary from batch to batch. *Dry time properties are typical and not specifications. *Light to bright colors require safety reflective she may require multiple coats as a request to achieve a satisfactory look, depending on the substrate. *See reverse side for application instructions. *See reverse side for limitations of our liability and warranty.
<b>MIX RATIO:</b> 1 part A to 1 part B by volume	<b>REWORK:</b> Optimal. Many products are suitable on topcoats including multiple coats of this product. For added chemical resistance, color stability or UV stability, repeat with a suitable diisocyanate substrate.
<b>SHELF LIFE:</b> 1 year	
<b>FINISH CHARACTERISTICS:</b> Gloss (90-60 or 60 degrees) (Erichsen glossmeter)	
<b>ABRASION RESISTANCE:</b> Color shows (24-7) cycles with 1000 gram total load and 500 cycles = 30 mg loss	
<b>IMPACT RESISTANCE:</b> Standard Impact: 50 in lb (passed) No cracks on a 1/8" mandrel	
<b>ADHESION:</b> 150 psi (2 cylinders) (concrete failure, no delamination)	
<b>VISCOUSITY:</b> Minimum: 300-500 cps (typical)	
<b>DOT CLASSIFICATION:</b> Part A: "FLAMMABLE LIQUID" (N.O.S.), UN1993, PGH1 Part B: "FLAMMABLE LIQUID" (N.O.S.), UN1993, PGH1	



Applying E31-1202-64 concrete epoxy primer.





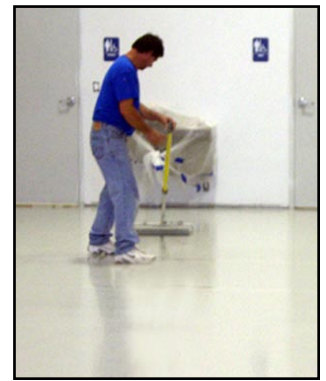
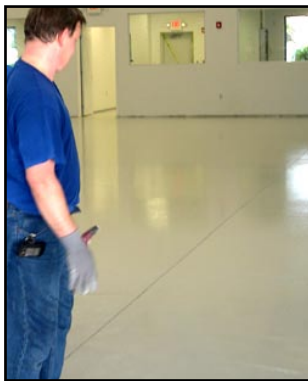
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**SCCY Industries FLOOR CASE HISTORY**



E31-1202 100% solids epoxy starting to be applied.





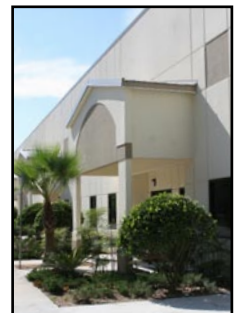
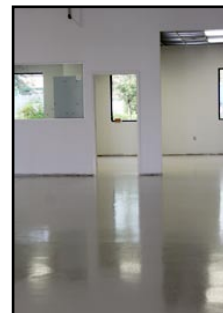
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# SCCY Industries FLOOR CASE HISTORY



U31-1201 final coat applied.





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**SCCY Industries FLOOR CASE HISTORY**

**Updated Case History  
December 2009**



As often happens in construction, and before **SCCY Industries** could move in, the access trenches for the plumbing had to be cut out and replaced (after we had initially installed the floor in October 2009). Unfortunately, the concrete was then poured 1/4" high. Therefore, we had to diamond grind the surface level, and then "feather" in the edges [by spraying 100% solids epoxy with a HPLV (high pressure/low volume) spray unit in a random pattern to hide saw cuts, reinstall the nonskid aggregate - all of this effort to blend in the trenches before coating the entire floor]. This was much harder/time consuming than anticipated because of the "high/early" concrete mix used in the repair and the unusually "hard" local aggregate.



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**SCCY Industries FLOOR CASE HISTORY**



**Floor Sanded/De glossed/Profiled/Repairs Made/Final Preparation/Power Scrubbed/Solvent Wiped Before Application of U31-1201.**



**REDFORD Corporation**

**U31-1201 Linear (Aliphatic) Urethane**

1075 Kingwood Drive • Kingwood, Texas 77339 • (281) 358-4100

**Recommended for:**

Aircraft hangars, industrial concrete floors

**Solids by weight:**  
 Clear (mixed) ..... 64% / 2  
 Colors (mixed) ..... 67% / 2

**VOC:**  
 Part A clear ..... 3.43 lb/gal.  
 Part A colors ..... 3.41 lb/gal.  
 Part B ..... 2.2 lb / gal

**Theoretical coverage per mixed gallon:**  
 300 to 500 square feet per mixed gallon

**Colors:**  
 Clear, light gray, dark gray, red, green, blue, brown, and special colors

**Finish:**  
 High gloss colors  
 High gloss clear

**Recommended film thickness:**  
 3 to 5 mils wet

**Mix ratio:**  
 2:1 by volume

**Shelf life:**  
 One year

**Packaging information:**  
 3 gallon kit = 2 gal. Part A to 1 gal. Part B  
 Part A clear ..... 8.25 lb. per gal.  
 Part A colors ..... 9.1 lb. per gal.  
 Part B ..... 8.8 lb. per gal.  
 Weights are approx. wt. varies with color.

**Chemical resistance:**

	Immersion	Splash
Weak acid	..... excellent	..... excellent
Strong acid	..... very good	..... excellent
Alkali	..... excellent	..... excellent
Aromatic solvents	..... excellent	..... excellent
Chlorinated solvents	..... not recommended	..... excellent
Aliphatic solvents	..... excellent	..... excellent
Most ketone	..... very good	..... excellent
Gasoline	..... excellent	..... excellent
Brake fluid	..... excellent	..... excellent
Skydrol®	..... not recommended	..... excellent

**Abrasion Resistance:**  
 Taber Abraser CS-17 Wheel  
 1000g load, 500 cycles (mg loss) ..... 24 mg

**Impact Resistance:**  
 Gardner Impact (in. lb.) ..... A. Reverse: 160  
 B. Direct: 160

**Hardness:**  
 Shore D-64

**Flexibility:**  
 No cracks on 1/8" mandrel

**Cure Schedule:**  
 Tack free ..... 5 to 6 hours  
 Recoat ..... 6 to 10 hours  
 Light traffic ..... 24 hours  
 Full cure ..... 3 to 5 days  
 Decrease cure times for temperature above 70 °F.

**Pot Life:**  
 1 to 2 hours, longer at lower temperatures.

**REDFORD Corporation**

**U31-1201 Linear Urethane**

1075 Kingwood Drive • Kingwood, Texas 77339 • (281) 358-4100

**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**

- Acoustics
- Excellent impact, abrasion, and chemical resistance
- Tik-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 (crush 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. Skidproof within 15 minutes of coating application.

**Maintenance**  
 For long term floor preservation and care, we recommend REDFORD Corporation's Lin-Clean 1100. 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 bristle brushes especially if you opt for the slip resistant coating system. Mechanical scrubbers will diminish the gloss but not harm the coating.

**Typical Properties**

<b>Type</b>	Two-part high performance polyurethane
<b>Solids by wt.</b>	66%
<b>Coverage</b>	300 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 gray, dark gray, red, green, blue, brown, and special colors such as safety yellow

**CAUTIONARY INFORMATION**  
 Provide fresh air ventilation in necessary. In confined areas, use fresh air supplied hoses. In wet ventilation open areas, use a chemical resistant face mask or half mask in accordance with OSHA Standard for specific vapors and concentrations. Protect skin and eyes from splashes and vapors. Avoid prolonged breathing of vapors and mists. Avoid spray into face, eyes and open flame. Wash hands thoroughly after using and before eating or drinking. Normal or mild flammability. If available, do not return emptying. Dilute 1:2 gallons of water and call physician or poison control center immediately.



**Project Completed - December 2009**