

Christian Brothers Automotive

3920 Highway 121
Bedford, Texas 75006



Owners:
Max & Clarissa Beasley

Developer

Main Carr Development, LLC
Irving, Texas 75038

General Contractor

EBCO General Contractor, LTD.
Cameron, Texas 76520

CHRISTIAN BROTHERS AUTOMOTIVE BEDFORD, TEXAS Automotive Shop Floor



Bedford, Texas
Christian Brothers Automotive
Shop Floor Completed (August '09)



Christian Brothers Automotive



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Floor at Project Start (after shot blasting)

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Outside "Lip" Repair

REDFORD Corporation Crack Filler E31-1204
©2011 Redford Division • Kingwood, Texas 75389 • (281) 338-6300

Instructions for use
 For best results, apply over a dry, wax free surface. If exposed to the elements, allow to cure within 24 hours of finished application. The finished repair is recommended to be applied in full before 50°F (10°C).

Preparation
 Remove all contaminants, such as dirt, oil, and other debris. Insulate with high pressure water clean, water, detergent, or acid washing. The temperature of any drying device to ensure that all cracks are thoroughly dry.

Application
 1. Mix and fill 1/2" deep holes on the upper parts of A and B in a plastic pot mix or similar container and add the contents to a bucket.
 2. Stir contents immediately after opening.
 3. Mix the contents for 20 seconds, repeating the process.
 4. Load into the applicator, then use the filled applicator during the 12 to 24 hours curing cycle. Do not use any form of heat to accelerate curing.
 5. Use extra care for the application of cracks before covering with paint or sealant coatings.
 6. For all sized openings, allow 15 to 20 minutes of mixing. Cleanup with a clean rag or sponge.

Curing Time
 Depending on ambient temperatures, the filled crack will dry to touch in about 9 hours. Allow 12 to 24 hours of cure time before sanding.



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**E31-1203 Concrete
Primer Being Applied**

**Sanding for
Intercoat Adhesion**



Christian Brothers Automotive

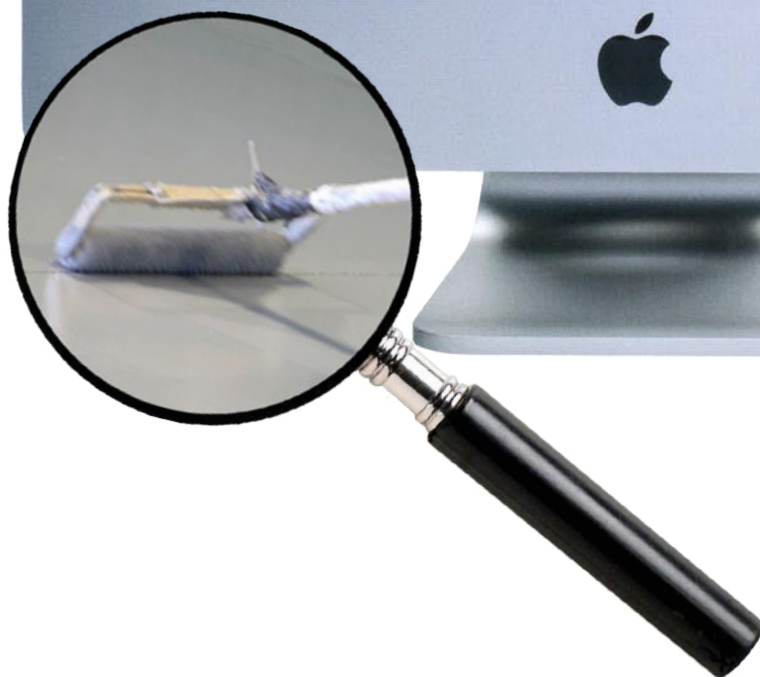


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REDFORD Corporation Epoxy Coating E31-1202
 8075 Kingswood Drive • Kingswood, Texas 77339 • (281) 358-4100

HANDLING	
Mix ratio	2:1 (28 lbs parts by volume)
Mixal viscosity	700 cps
Pot life (at 70°F)	60 minutes (200 grams @ 24°C)
Color	Clear, grey, beige, and white
Coverage	Varies approximately 20 sq. ft. @ 1/8"

TECHNICAL INFORMATION	
Ultimate tensile strength (psi)	8700
Tensile elongation (%)	1.5
Ultimate flexural strength (psi)	15,000
Compressive axial strength (psi)	13,000
Hardness (Shore D)	80

DESCRIPTION
 E31-1202 is an aliphatic, resin-clear or pigmented, 100% solids epoxy specifically designed as a high performance color coating for areas where no visible decorative color.

Outstanding features include:

- good abrasion/light resistance compared to most formulated epoxies
- color retention
- excellent chemical resistance
- compatible with multiple floor types during application
- good adhesion to concrete
- high abrasion resistance
- excellent durability

AVAILABILITY
 Packaged in three gallon cans, six gallon cans, 17 gallon cans, and drum cans. For more information, including prices, call REDFORD Corporation (281) 358-4100.

APPLICATION
 If needed, special technical literature concerning this application will be provided, including Preparation of concrete specifications for application of epoxies and Using epoxies for overlays.

Customer assistance
 Product best use conditions (temperature, humidity, etc.) and other data can be found on product label. It will be posted on open areas, and a customer service team member is staffed to assist with OSHA. Contact for details, requests and your requirements. Contact our sales team for technical and product data. Also, please contact our technical support team for more information. Our team has been trained thoroughly after using and testing epoxy in multiple scenarios. If needed, our technical support team will be glad to provide you with technical assistance or product literature.

**Applying E31-1202
100% Solids Epoxy**

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Procedures / Specifications

Friday 7/31
Sunday/Monday 8/2 - 8/3
Tuesday 8/4
Wednesday 8/5
Thursday 8/6
Friday
Saturday/Sunday 8/8-8/10
Monday 8/10

Shot Blast
General Floor Preparation/Apply E31-1203 Concrete Primer
Apply E31-1202 100% Solids Epoxy
Apply 2nd Coat of E31-1202 100% Solids Epoxy
Apply U31-1201 High Performance Urethane Topcoat
Install Green Pads (Devthane 379) /Clean-up/Depart/Floor Curing
Floor Curing
Shop Floor Open for Heavy Traffic

U31-1201 High Performance Urethane Being Applied and Green Pads Starting to be Laid Out



Construction Almost Completed

REDFORD Corporation		U31-1201 Linear Urethane									
1075 Knopwood Drive • Kingwood, Texas 77339 • (281) 358-4100											
Description	U31-1201 Linear Urethane is a two-part, high performance coating formulated for maximum chemical and abrasion resistance. It is ideal for use on concrete, metal, and masonry surfaces. It is available in a variety of colors and finishes, as well as in a clear finish. It is a high performance, low maintenance, long-lasting floor finish.										
Features and benefits	<ul style="list-style-type: none"> • Excellent impact strength and chemical resistance • Excellent slip resistance • Easy to clean • Excellent color retention • Resistant to moisture • Resistant to mold • Resistant to mildew 										
Preparation	Apply coating to clean, sound substrate. Dust, oil or grease residues will affect adhesion and may cause delamination. It is also important to get a rough profile on the substrate to ensure good mechanical bond. After coating, walk light on the finish until cure has begun and seal walking surface with the desired finish. Surface should be sealed, degreased and resealed.										
Application	Apply with medium nap roller, brush, or spray. If necessary, reduce viscosity with Redford E-100 solvent. Application should be made in a well-ventilated area. Recommended application thickness is 1/16" to 1/8" per coat.										
Maintenance	For best results, use proper care and use recommended Redford Corporation E-100 Solvent. Frequency of cleaning will not be the best. Do not use abrasive floor pads, buffing pads, or scrubbers. If you use a floor scrubber, use recommended scrubbing pads. Mechanical scrubbers will scratch the finish for at least 60 days.										
Cautionary instructions	Produce fumes on application. Avoid breathing vapors. Avoid contact with skin and eyes. Avoid contact with clothing. Avoid contact with food and drink. Avoid contact with children. Avoid contact with pets. Avoid contact with fire. Avoid contact with electrical equipment. Avoid contact with power lines. Avoid contact with overhead power lines. Avoid contact with high voltage electrical equipment. Avoid contact with high voltage electrical equipment. Avoid contact with high voltage electrical equipment.										
Typical Properties	Type	Two part high performance polyurethane									
Shade by wt.	100%										
Coverage	200 to 300 sq. ft. per gallon depending on porosity of substrate										
Put-Off	4 to 6 lbs. in 10' range at lower temperatures										
Cure schedule	<table border="0"> <tr> <td>Tack free</td> <td>~ 5 to 6 hours</td> </tr> <tr> <td>Recoat</td> <td>~ 16 hours</td> </tr> <tr> <td>Light traffic</td> <td>~ 17 hours</td> </tr> <tr> <td>Full cure</td> <td>~ 30 days</td> </tr> </table> <p>(Cure time can vary due to temperature above 70°F)</p>			Tack free	~ 5 to 6 hours	Recoat	~ 16 hours	Light traffic	~ 17 hours	Full cure	~ 30 days
Tack free	~ 5 to 6 hours										
Recoat	~ 16 hours										
Light traffic	~ 17 hours										
Full cure	~ 30 days										
Film thickness	Recommended 3 to 5 mils wet										
Mix ratio	2 to 1 by volume										
Shelf life	1 year										
Color	See chart										
Notes	Clear, light grey, dark grey, red, green, blue, black, and special colors such as white, yellow, etc.										

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Green Pads Starting to be Laid Out



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**Christian Brothers Automotive
Bedford, Texas
Shop in Operation
March 2010**