

FREDATHANE CRU EPOXY-URETHANE SYSTEM

DESCRIPTION:

The FredaThane CRU system is a 4 coat system designed to provide outstanding chemical and abrasion resistance in automobile dealerships, airplane hangars, fire stations and general industrial areas. The Fredathane CRU system also provides the best protection against UV degradation, gloss retention and color retention.

MATERIAL SPECIFICATION:

-Preparation: Surface to be coated must be clean, dry and mechanically shot blasted.
 -Primer: (optional) WBE-500 or WBE-600 @ 320 square feet per gallon. (1.75-2 mils dft)
 -Intermediate: Freda FC-1100 100% solids epoxy @ 150 sq.ft. per gallon (11 mils dft)
 -Topcoats: 2 coats recommended of Freda 2C-AR Aliphatic polyurethane.
 300 square feet per gallon per coat (2.5 mils dft per coat)
In California replace 2C-AR with Fredathane 3793

GENERAL PRODUCT INFORMATION:

Packaging: Premeasured kits, 5 gallon pails, 55 gallon drums

Colors: All standard Freda colors

Application: Refer to the FredaThane CRU Application Bulletin

TECHNICAL SPECIFICATIONS:

<u>Type Test</u>	<u>Method</u>	<u>Result</u>
Compressive Strength	ASTM D-695	10,000 psi
Tensile Strength	ASTM D-638	7,500 psi
Bond Strength to Concrete	ASTM D-4541	350 psi, concrete failure
Hardness (Shore D)	ASTM D-2240	80-85
Abrasion Resistance	ASTM D-4060	20 mg loss
CS 17 wheel 2000 gm. Load 1000 cycles		
Cure Schedule		Light traffic: 12 hours Heavy traffic: 24 hours

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SURFACE PREPARATION:

Surface must be clean, sound, dry and perfectly free of curing compounds, oil, grease and any other contaminants. A surface profile of 3-5 mils should be achieved using a mechanical shot blaster or scarification.

PRIMING:

Entire surface that is to be coated must receive a coat of FC-1100 epoxy primer/intermediate.

- Mix Ratio: 1A:1 B (mechanically mix for 2 minutes)
- Application Method: Flat edged Squeegee apply at a spread rate of 150 sq.ft per gallon
- Cure Schedule: Minimum: 8 Hours
Maximum: 16 Hours

TOPCOATS:

Allow epoxy coat FC-1100 to cure for according to manufacturers recommended schedule.

Apply Freda 2C-AR coat #1.

- Mix Ratio: 2A:1B (mix at low speed for 1 minute)
- Application Method: Use 1/4" mohair, phenolic core roller, apply at 300 sq.ft. per gallon.
- Cure Schedule
@ 72° F, 52% R.H. Recoat: 6 Hours

Apply Freda 2C-AR coat #2.

- Follow same steps as above.
- Cure Schedule
@ 72° F, 52% R.H. Light Traffic: 10 Hours
Heavy Traffic: 24 Hours
Full Chemical Resistance: 1 Week

Please read and understand Freda Inc. statement of warranty and Material Safety Data Sheets before using this product.