

## **POLY-CRETE CF**

### **DESCRIPTION**

POLY-CRETE CF is a color fast 100% solids three component cementitious aliphatic urethane topcoat. POLY-CRETE CF can be used over POLY-CRETE TF as a thin film flooring system or as a topcoat for POLY-CRETE HF, POLY-CRETE MD, POLY-CRETE WR and as a grout coat for POLY-CRETE MDB and SLB systems. POLY-CRETE CF preserves performance and durability of cementitious urethane systems, while offering an aesthetic look that will resist discoloration from UV exposure. POLY-CRETE CF is designed to be fast curing and offer better stain resistance to food processing chemicals compared with traditional cementitious urethane systems.

### **BENEFITS**

- Low Odor
- Meets USDA/FDA/OSHA Standards
- Fast Dry Time
- Color Stable
- Good Stain Resistance to Food Processing Chemicals

### **COLORS**

Refer to the POLY-CRETE MD Standard Color Chart.

### **TYPICAL USES**

POLY-CRETE CF is used as a topcoat that improves the aesthetics in all the POLY-CRETE system (HF, MD, TC, SL, TF and WR) and as grout coat for POLY-CRETE MDB and SLB systems.

### **LIMITATIONS**

It is not recommended to apply POLY-CRETE CF thinner than 10 mils. Do not apply POLY-CRETE CF if RH >85%. POLY-CRETE CF is best suited for application in temperatures between 60°F and 85°F. POLY-CRETE CF does not produce a smooth finish it produces a semi-orange peel finish. Please refer to the POLY-CRETE CF Application Instructions for a complete list of limitations.

### **PACKAGING**

POLY-CRETE CF is available in pre-measured kits. Each kit consists of pigmented resin, hardener and aggregate totaling 0.80 gallon.

### **STORAGE CONDITIONS**

POLY-CRETE CF hardener and aggregate must be stored dry. When the aggregate is exposed to water or high moisture, clumping will result and reduce the active powder content. Exposure of the hardener to water or high moisture will cause carbon dioxide to generate and lead to a build up in pressure. Do not reseal containers that have been contaminated with moisture. The shelf life is 6 months from ship date in the original unopened container.

### **APPLICATION METHOD/SPREAD RATE**

POLY-CRETE CF is applied with 1/8" notch or 12" window flat squeegee follow by a back roll using 3/8" nap roller in accordance with the spread rate as follow:

- 35 Sq Ft per kit over Q-Rok
- 70 Sq Ft per kit over Flintshot
- 80 Sq Ft per kit over Smooth

### **JOINT GUIDELINES**

Refer to the Joint Guidelines for complete details on our website.

# POLY-CRETE CF

## PRODUCT PROPERTIES

Weight Solids, % (Resin/Hardener/Powder)	100%
Volatile Organic Compounds Content (VOC)	0 g/l
Mix Ratio	3 Component Kit
Flexural Strength (ASTM D790)	1000 psi
Compressive Strength (ASTM C579)	7,800 psi
Tensile Strength (ASTM D638)	4,200 psi
Taber Abrasion Resistance (ASTM D4060) ASTM D 4060, 1000g load, 1000 cycles, CS-17 wheel	45 mg loss
Impact, in.-lbs. (ASTM D1709):	Direct Reverse
	160 160
Recommended Applied Thickness and Spread Rate	
Q-Rok	35 Sq Ft per kit
Flintshot	70 Sq Ft per kit
Smooth	80 Sq Ft per kit @ 12mils
Shore D Hardness (ASTM D2240)	65 D
Gloss (ASTM D523) 60°	40-50 Satin Appearance
Pot Life at 70°F, 50%RH	20 minutes
Working Time at 70°F,50%RH	15 minutes
Dry Time for Full Service Traffic	
70°F	16 hours
60°F	24 hours
50°F	44 hours

## **CHEMICAL RESISTANCE (8 HOURS COVERED SPOT TEST – ASTM D1308)**

30% Nitric Acid	Good
30% Acetic Acid	Good
50% Lactic Acid	Good
CIP Cleaning Solutions                      AC 55-5	Good

### **MOISTURE CONCERNS**

Please refer to the Floor Evaluation Flow Chart in the Contractor's Center of our website for a step-by-step process to determine the condition of the concrete.

### **DRAWINGS AND DETAILS**

Standard CAD drawings and details are available for coves, drains, breaches, transitions, etc. Please refer to the master Drawings and Details guide for actual drawings.

### **CLEANING**

This product is considered a low maintenance flooring solution, however, certain textures and service environments do require certain procedures. Please refer to the master Cleaning Guide on our website.

### **CAUTION**

**Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. KEEP OUT OF REACH OF CHILDREN.**

*Before using any DUR-A-FLEX, Inc. product, be sure the Material Safety Data Sheet is read and understood.*