



POLY-CRETE TF

DESCRIPTION

POLY-CRETE TF is a solvent free, high build coating based upon polyurethane technology. Although it is designed as a topcoat and primer for POLY-CRETE WR and POLY-CRETE HF, it should also be used as a topcoat for POLY-CRETE MDB and SLB systems.

BENEFITS

- VOC Compliant
- ADA Compliant
- Low Odor
- Meets USDA, FDA, OSHA Standards
- Wide Service Temperature, -100 to 220 F
- Superior Adhesion
- Thermal Shock Resistant
- Easy Maintenance

LIMITATIONS

This product is best suited for application in temperatures between 50° F and 85° F. Substrate must be clean, sound and dry. **Minimum application spread rate of 8 mils must be achieved or a glossy/blotchy appearance will occur.**

TYPICAL USES

POLY-CRETE TF is used to topcoat POLY-CRETE WR and POLY-CRETE HF and provide a uniform look for coving. Typical areas of application:

- Chemical Processing
- Food Processing Areas
- Cook / Chill Areas
- Steel Substrates
- Bottling Areas
- Sanitize / Wash Areas
- Plant Vehicle Aisles

COLORS

POLY-CRETE TF is available in 10 standard colors. Refer to the Poly-Crete Color Selector Chart

PACKAGING & STORAGE CONDITIONS

POLY-CRETE TF is available in three part units consisting of resin, hardener and activator powder. POLY-CRETE TF must be stored dry. Do not reseal containers contaminated with moisture. Do not use partial bags of aggregate. Do not allow resins to freeze. Every POLY-CRETE product will be shipped with a lot number on the label. The first two digits indicate the year; the second two show the month, the third two will be the day. The shelf life is 6 months from the date on the label in the original unopened container.

SURFACE PREPARATION

To be assured of maximum adhesion and properties from DUR-A-FLEX products, the correct surface preparation is required. Please refer to the master Surface Preparation Guide on our website for more information.

APPLICATION METHOD/SPREAD RATE

POLY-CRETE TF is applied with a flat squeegee, notched squeegee, and medium nap roller at 8-10 mils. **REFER TO SPECIFIC POLY-CRETE SYSTEM TO DETERMINE APPLICATION METHOD.**

GUIDE SPECIFICATIONS

This product is part of the DUR-A-FLEX family of polymer systems. Please refer to the master Specifier's Guide for complete three part guide specs.

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.

JOINT GUIDELINES

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

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TECHNICAL INFORMATION

Cure Time @ 70° F		
Foot Traffic	24 hours	
Full Service	3 – 5 days	
Color	10 standard colors	
Mix Ratio (bv volume)	3 Component Kit	
Pot Life - 1 gallon @ 77°F	15 minutes	
Adhesion to Concrete	> 400 psi. concrete fails before loss of bond	
Service Temperature	-100 to 220 F (live steam)	
Physical Property	Test Method	Result
Hardness (Shore D)	ASTM D 2240	85
Compressive Strength	ASTM C 579	7,250 psi
Tensile Strength	ASTM D 638	750 psi
Impact Resistance @ 125 mils	ASTM D 1709	> 160 inch lbs
Flexural Strength	ASTM D 790	4,400 psi
Abrasion Resistance Taber H 10 Wheel 1000 GM Load 1000 Cycles	ASTM C 501	40 mg loss
VOC Content		0 g/L

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.

CHEMICAL RESISTANCE

This product is resistant to many common chemicals. Please call the DUR-A-FLEX Technical Department for actual resistance to specific chemical/regents

CLEANING

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

CAUTION

Adequate cross ventilation should be provided. Read, understand and follow Material Safety Data Sheets and Application Instructions of this flooring system prior to use. Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed.

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