

POLY-CRETE TF PLUS

DESCRIPTION

POLY-CRETE TF PLUS is a solvent-free, high-build coating based upon polyurethane technology. As a primer, it can be used under POLY-CRETE MD, POLY-CRETE SLB w/F60 broadcast, HYBRI-FLEX ES or porous substrates where any POLY-CRETE system is being installed. It may also be used as a primer for POLY-CRETE COLOR-FAST topcoat to enhance hiding power. As a topcoat, it can be used with POLY-CRETE WR coving, POLY-CRETE HF, POLY-CRETE MDB and POLY-CRETE 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. POLY-CRETE TF PLUS resin and hardener cannot be mixed with other Poly-Crete resins and hardeners.**

TYPICAL USES

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

COLORS

Refer to the Poly-Crete Standard Color Chart for standard colors; special color matches may also be available.

PACKAGING & STORAGE CONDITIONS

POLY-CRETE TF PLUS is available in three part units consisting of resin, hardener and activator powder. POLY-CRETE TF PLUS 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 PLUS 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	12 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 CS17 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 Guidelines 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 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.