DUR-A-FLEX
INNOVATION FROM THE FLOOR UP

PRODUCT DATA SHEET

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POLY-CRETE KT

DESCRIPTION
POLY-CRETE KT is a 100% solids aromatic urethane system. It is a pigmented, double broadcast and topcoat(s) with natural quartz. POLY-CRETE KT is also a topcoat for the POLY-CRETE MDB system. POLY-CRETE KT is designed to withstand thermal shock and chemical attack.

BENEFITS
- Low Odor
- Meets USDA, FDA, OSHA and CFIA standards
- Superior Adhesion
- Superior Food Acid Resistance
- Easy Maintenance
- Thermal Shock Resistant

COLORS
POLY-CRETE KT is available in 15 standard colors. Please refer to the Standard Color Chart on our website. Custom colors are available upon request.

TYPICAL USES
POLY-CRETE KT is designed to protect concrete, prepared metal and wood substrates from chemical attack, corrosion, impact and thermal shock. Repeated exposure to hot oil or steam does not cause pitting, cracking or crazing. Typical areas of application:

- Food Processing Areas
- Cook / Chill Areas
- Automotive Service Bays
- Bottling Areas
- Sanitize / Wash Areas
- Steel Decks

SURFACE PREPARATION
Priming is mandatory to prevent outgassing and blistering. Substrate must be profiled, dry, clean, oil free, and sound. Be careful of condensing humidity (within 10 degrees of the dew point). Substrate must be blasted and primed with either DUR-A-GLAZE #4 "Damp Primer" or "Fast". Apply with a flat squeegee at 150 Sq Ft per gallon. Allow primer to cure completely before continuing. Please refer to the master Surface Preparation Guide on our website for more information.

APPLICATION METHOD/SPREAD RATE
See POLY-CRETE KT application instruction sheet on our website for complete instructions.

POLY-CRETE KT ACCELERATOR
POLY-CRETE KT accelerator can be used to achieve a faster cure time between 60°F – 80°F. See the Product Data Sheet on our website for complete instructions.

LIMITATIONS
POLY-CRETE KT cannot be applied as a smooth coating as this results in micro-foaming. POLY-CRETE KT is not available in orange peel and smooth finishes. This product is best suited for application in temperatures between 60º F and 85º F. Relative humidity levels should not exceed 75% during application and cure. Substrate must be clean, sound and dry. Eroded or spalled areas must be "filled and leveled" with an epoxy grout composed of DUR-A-GLAZE #4 and aggregate. **POLY-CRETE KT is moisture sensitive during installation.**

STORAGE CONDITIONS
POLY-CRETE KT must be stored dry. Exposure of the resin to moisture for extended periods can lead to bubble formation during cure. Exposure of the hardener to water will lead to pressure build up from carbon dioxide generation. Do not reseal containers contaminated with moisture. The shelf life is 12 months from ship date in the original unopened container.

PACKAGING
POLY-CRETE KT is available in 1-gallon cans, 5- gallon pails and 50-gallon drums. Flintshot is available in 50 and 100 lb bags.

CHEMICAL RESISTANCE
This product is resistant to many common chemicals. Please refer to the master Chemical Resistance Chart on our website for actual resistance to specific chemicals/reagents.

GUIDE SPECIFICATIONS
This product is part of the DUR-A-FLEX family of polymer systems. Please contact DUR-A-FLEX for complete three part guide specs.

POLY-CRETE KT

TECHNICAL INFORMATION

Cure Time @ 70°F:	
Recoat	12 hours
Return to Service	24 hours
Full Chemical Resistance	7 days
Application Temperature	60°F - 85°F
Mix Ratio (by volume)	3 parts resin to 1 part hardener
Pot Life - 1 gallon @ 70°F*	15 minutes
Adhesion to Concrete	> 400 psi, concrete fails before loss of bond
Thermal Shock	Resists intermittent spills up to 425 F
Toxicity	Sensitized individuals do not install or inhale hardener vapors

Physical Property	Test Method	Result
Hardness (Shore D)	ASTM D-2240	75
Compressive Strength	ASTM C-579	8,600 psi
Tensile Strength	ASTM D-638	2,500 psi
Impact Resistance @ 125 mils	ML D-3134	Pass
Flammability	ASTM E-684	NFPA 101 Type 1 1.06 Watts/cm²
Abrasion Resistance CS17 Wheel 1000 GM Load 1000 Cycles	ASTM D-4060	35 mg loss
Coefficient of Friction Standard Slip-Resistant	ASTM D-2047	0.9
VOC Content		0 g/l

* Pot life is shorter at higher temperature. Do not use below 60°F or above 85°F

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 contact DUR-A-FLEX for actual drawings.

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.

JOINT GUIDELINES

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

CAUTION

Workers should wear protective clothing consisting of splash-proof goggles, impermeable gloves and, where exposure limits are exceeded, organic vapor respirators. Adequate cross ventilation should be provided. **Any worker with prior sensitization should not be exposed to this product. 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.