DUR-A-FLEX
INNOVATION FROM THE FLOOR UP

PRODUCT DATA SHEET

95 Goodwin Street
East Hartford, CT 06108

Tel: 860-528-9838 • Toll Free 800-253-3539 • Fax: 860-528-2802 • Internet: www.dur-a-flex.com • E-Mail: info@dur-a-flex.com

POLY-CRETE SLC

DESCRIPTION

POLY-CRETE SLC (self leveling chip) is a 100% solids aromatic cementitious urethane system with decorative chip broadcast. The system is typically installed at a nominal thickness of 3/16 inch. This should be determined by service, cleaning temperatures, severity of traffic, point impact and loadings. POLY-CRETE SLC uses colored chips and is top coated with DUR-A-FLEX epoxy, urethane or methyl methacrylate depending on performance requirements.

BENEFITS

- VOC Compliant
- ADA Compliant
- Leed Credit Points Available
- Meets USDA, FDA and CFIA Standards
- Hygienic - Does Not Harbor Bacteria
- High Chemical Resistance
- High Abrasion Resistance
- Self-Priming
- Wide Service Temperature, -100 to 180^{o}F
- Can Be Installed With Moisture Levels Up To 20 1bs/1,000 sf/24 hrs or 99% RH
- Can Be Applied To 7-14 Day Old Concrete
- CA 01350 Compliant

COLORS

The decorative colored chips that are used in the POLY-CRETE SLC system are available in a MACRO and MICRO size. Refer to the Color Selection Chart for the standard chip blends. Customs blends are available.

TYPICAL USES

POLY-CRETE SLC is designed to protect concrete, polymer reinforced screeds, mild steel and water resistant plywood from chemical attack, corrosion, impact and thermal shock. It is also unaffected by freeze/thaw cycles.

- Schools
- Aesthetic Concerns
- Areas where moisture is a concern
- Exterior Applications
- Manufacturing Facilities
- Hospitals
- Pharmaceutical Plants

SURFACE PREPARATION

This product requires substrate preparation in order to perform as expected. Surface must be profiled, clean, dry, oil free and sound. Please refer to the "Surface Preparation Guide" for more information.

APPLICATION METHOD /SPREAD RATES

POLY-CRETE SLC is applied to a properly prepared area at the required thickness using a "V" notched squeegee. The freshly placed material is then looped rolled into which the color chips are broadcast to excess. Allow a minimum of 8 hours for the base coat to cure before sweeping, brushing or vacuuming. Apply the desired clear topcoat(s) to achieve the required finish.

LIMITATIONS

This product is best suited for application in temperatures between 50˚F and 85˚F. Substrate must be clean, sound and dry.

PACKAGING

POLY-CRETE SLC is available in pre-measured kits that cover 55 Sq Ft. at 1/8 inch for 3/16 inch finished thickness after broadcast. Topcoat resins are packaged in 1 gallon, 5 gallon and 50 gallon quantities.

CHEMICAL RESISTANCE

POLY-CRETE SLC has excellent resistance to organic and inorganic acids, alkalis, fuel and hydraulic oils, aromatic and aliphatic solvents.

STORAGE CONDITIONS

POLY-CRETE SLC must be stored dry. Do not allow resins to freeze. The shelf life of this product is 6 months from the ship date in the original unopened containers.

POLY-CRETE SLC (NOVOLAC TOPCOAT)

TECHNICAL INFORMATION

Cure Time @ 70°F	
Light Traffic	8-10 hours
Light wheel traffic	16 hours
Full Service	3 - 5 days
Heavy Duty Traffic	48 hours
Color	Refer to Macro and Micro Chip Color Selection Chart
Pot Life - 1 gallon @ 70°F	15 minutes
Adhesion to Concrete	> 400 psi, concrete fails before loss of bond
Service Temperature	-100 to 180°F

Physical Property	Test Method	Result
Hardness (Shore D)	ASTM D2240	75-80
Compressive Strength	ASTM C 579	8,990 psi
Tensile Strength	ASTM D 638	2,175 psi
Impact Resistance @ 125 mils	MIL D-3134	Pass
Flexural Strength	ASTM D 790	5,075 psi
Abrasion Resistance CS17 Wheel 1000 GM Load 1,000 Cycles	ASTM C 501	65 mg loss
Coefficient of Friction Standard Slip-Resistant	ASTM D 2047	(passes ADA recommendations) >0.6
VOC Content		0 g/L

MOISTURE CONCERNS

Normal limits for moisture vapor transmission for Poly-Crete floor systems are 20 lbs./1,000 sq. ft./24 hour using the calcium chloride test per ASTM F-1869 or 99% relative humidity using in-situ Relative Humidity Testing per ASTM F-2170. Please refer to the Floor Evaluation Guidelines at www.dur-a-flex.com for complete details.

DRAWINGS AND DETAILS

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

GUIDE SPECIFICATIONS

This product is part of the DUR-A-FLEX family of polymer systems. Three part guide specs can be found in the Architect Center of our website.

CLEANING

Regular scrubbing will maintain these systems in serviceable condition as long as contamination is not allowed to build. However, certain textures and service environments require specific procedures. Please refer to the "Cleaning Guidelines" on our website for more information.

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.