

## POLY-CRETE SL

### DESCRIPTION

POLY-CRETE SL is a 100% solids, aromatic, cementitious urethane system blended with graded silica and fine fillers applied at 1/8 inch to produce a self-leveling matte finish. In approved applications, POLY-CRETE SL may be used as a moisture mitigating underlayment for resilient flooring products. Contact the Dur-A-Flex Technical Department for more information.

### BENEFITS

- VOC Compliant
- ADA Compliant
- Leed Credits Available
- Meets USDA, FDA, and CFIA Standards
- Superior Adhesion
- Can Be applied To 7-14 Day Old Concrete
- Withstands moisture levels up to 20 lbs./1,000 sq. ft./24 hours and up to 99% RH.

### COLORS

Refer to Poly-Crete SL Color Selector Guide.

### SURFACE PREPARATION

This product requires preparation in order to perform as expected. Surface must be profiled, clean, dry, oil free and sound. It is recommended that the perimeter edges of the floor area and doorways be keyed. Please refer to the master Surface Preparation Guide on our website for more information.

### APPLICATION METHOD /SPREAD RATES

The floor must be primed with POLY-CRETE TF before applying POLY-CRETE SL. POLY-CRETE

SL is then applied at 55 square feet per kit using a 1/2" v-notched squeegee, then loop rolled.

### LIMITATIONS

Do not apply at a temperature below 60°F (10°C) or above 85°F (29°C). POLY-CRETE SL can be slippery when oily. Do not apply to un-reinforced sand cement screeds, asphalt or bitumen substrates, glazed tile or nonporous brick and tile, magnesite, copper, aluminum, polyesters or elastomeric membranes.

### STORAGE CONDITIONS

POLY-CRETE SL must be stored dry. 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.

### PACKAGING

POLY-CRETE SL is available in pre-measured kits that cover 55 square feet at 1/8 inch.

### CHEMICAL RESISTANCE

POLY-CRETE SL has excellent resistance to organic and inorganic acids, alkalis, fuel and hydraulic oils, aromatic and aliphatic solvents. Some acids may discolor or bleach the surface.

### 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.

# **POLY-CRETE SL**

## **TECHNICAL INFORMATION**

Cure Time @ 70°F	
Light Traffic	10 hours
Light wheel traffic	16 hours
Full Service	5 days
Heavy Duty Traffic	48 hours
Color	Refer to Poly-Crete SL Color Selector Chart
Mix Ratio (by volume)	3 Component Kit
Working time @ 70°F	15 minutes
Adhesion to Concrete	> 400 psi, concrete fails before loss of bond
Service Temperature	-100 F to 220 F (live steam)
<b>Physical Property</b>	<b>Test Method</b> <b>Result</b>
Hardness (Shore D)	ASTM D 2240      75-80
Compressive Strength	ASTM C 579      9,000 psi
Tensile Strength	ASTM D 638      2,175 psi ASTM C 307      1,000 psi
Impact Resistance @ 125 mils	MIL D-3134      Pass
Flexural Strength	ASTM D 790      5,076.3 psi ASTM C 580      2,400 psi
Abrasion Resistance CS17 Wheel 1000 GM Load 1,000 Cycles	ASTM D 4060      24 mg loss
Coefficient of Friction Standard Slip-Resistant	ASTM D 2047      (Passes ADA recommendations) >0.6
VOC Content	0 g/L

### **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.

### **CAUTION**

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.

### **JOINT GUIDELINES**

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

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