

**PART A** GPDFPSL  
**PART B** GPDFPSLB1  
**PART C** GPDFPSLAG

**SERIES**  
**HARDENER**  
**AGGREGATE**

Revised: April 11, 2025

**PRODUCT INFORMATION**

**PRODUCT 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.

**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.

**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, metal, polyesters or elastomeric membranes.

**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.

**PRODUCT CHARACTERISTICS**

**Colors:** Blue, Charcoal, Chestnut, Concrete Gray, Dark Gray, Green, Gray, Red

**VOC:** 0 g/L

**Mix Ratio:** 3 component kit

<b>Drying Schedule:</b>	
<b>@ 70°F (21°C)</b>	
<b>Light traffic:</b>	10 hours
<b>Light wheel traffic:</b>	16 hours
<b>Heavy traffic:</b>	48 hours
<b>Full service:</b>	5 days
<i>Drying time is temperature, humidity, and film thickness dependent.</i>	
<b>Working time:</b>	15 minutes

<b>Shelf Life:</b>	Part A: 12 months, unopened Part B: 12 months, unopened Part C: 6 months, unopened
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**TYPICAL USES**

- Kitchens
- Food Processing
- Warehouses
- Breweries / Distilleries
- High Traffic Areas
- Storage
- Light Manufacturing

**PERFORMANCE CHARACTERISTICS**

Test Name	Test Method	Results
<b>Abrasion Resistance</b>	ASTM D4060, CS-17 wheel, 1000 GM load, 1,000 cycles	24 mg loss
<b>Adhesion to Concrete</b>	ASTM D4541	>400 psi, concrete fails before loss of bond
<b>Compressive Strength</b>	ASTM C579	9,000 psi
<b>Flexural Strength</b>	ASTM D790 ASTM C580	5,076 psi 2,400 psi
<b>Hardness (Shore D)</b>	ASTM D2240	75-80
<b>Impact Resistance</b>	MIL-D-3134, 125 mils	Pass
<b>Static Coefficient of Friction</b>	ASTM D2047	>0.6
<b>Tensile Strength</b>	ASTM D638 ASTM C307	2,175 psi 1,000 psi

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### ***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.

### ***APPLICATION***

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 ½" v-notched squeegee, then loop rolled.

#### GUIDE SPECIFICATIONS

This product is part of the family of polymer systems. Please refer to the master Specifier's Guide for complete three part guide specifications.

#### 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.

#### MOISTURE CONCERNS

Please refer to the Floor Evaluation Flow Chart on our website.

### ***ORDERING INFORMATION***

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

### ***APPLICATION CONDITIONS***

Service temperature: -100°F to 220°F (live stream)

### ***CLEANUP***

Please refer to the Master Cleaning Guide.

### ***SAFETY***

Refer to the SDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

### ***DISCLAIMER***

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

### ***WARRANTY***

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.