



**Product Data Sheet For:**

# PlexiGard Floor Finish SL

## Copolymer Novalac Slurry

**DESCRIPTION**

PlexiGard Floor Finish SL Slurry is a durable Copolymer Novalac Epoxy based coating used for coating concrete surfaces for increased chemical and heat resistance. It provides superior chemical resistance compared to conventional epoxy resin coatings. This is ultra clear novalac and is available in 9 standard colors. Typically installed at 60 to 125 mils (1/16<sup>th</sup> to 1/8<sup>th</sup> inch).

**RECOMMENDED USES**

- PlexiGard Floor Finish SL Slurry is an excellent coating for concrete, steel, aluminum and wood surfaces. It is formulated to provide better chemical resistance to dilute acids, caustics and solvents than conventional epoxy systems.
- Typical applications include coating concrete surfaces in sanitary areas such as cafeterias, restaurants, hospitals and pharmaceutical facilities, and food and beverage processing plants.
- PlexiGard Floor Finish SL Slurry is also recommended for coating battery acid storage areas, laboratory walls and floors, kennel surfaces, tunnels, dams and manufacturing plant walls and ceilings, and secondary containment areas and also containment areas that are exposed to ***jet fuel***.

**TYPICAL PROPERTIES**

Compressive Strength	ASTM D-695	14,000 psi
Tensile Strength	ASTM D-638	6,800 psi
Flexural Strength	ASTM D-790	9,600 psi
Abrasion Resistance CS-17 Wheel, 1 kg load	ASTM D-4060	0.10 gm loss
Hardness	ASTM D-2240	96+
Bond Strength to Concrete (dry)	ASTM D-4541	425 psi
Heat Distortion	ASTM D-648	200F
Elongation at Break	ASTM D-638	10%
Water Absorption	ASTM D-570	0.09%

the slab. Do not thin. Substrate temperature must be at least 5°F above the dew point.

**VISCOSITY**

Part A	1200 cps
Part B	475 cps
Part C	300-1200 cps

**PACKAGING / COVERAGE**

PlexiGard Floor Finish SL Slurry  
 2 gal. Part A Resin  
 1 gal. Part B Hardener  
 Part C 40 lb bag SL Filler

Coverage:

80 square feet per gallon @ 65 mils

**LIMITATIONS**

Do not apply in temperatures less than 50°F or greater than 95°F. (Material cures slower at cooler temperatures and working time will be substantially reduced at higher temperatures.) Both components should be stored in a dry place at temperatures between 65°F and 80°F. Do not apply to slabs on grade unless a heavy unruptured vapor barrier has been installed under

**SURFACE PREPARATION (Concrete)**

Apply only to clean, dry and sound concrete substrates that are free of all coatings, sealers, curing compounds, oils, greases or any other contaminants. New concrete should be cured a minimum of 28 days. Concrete that has been contaminated with chemicals or other foreign matter must be neutralized or removed. Remove any laitance or weak surface layers. Concrete should have a minimum surface tensile strength of at least 300 psi. Surface profile should be SSP-3 to SSP-5 reflecting a profile equal to 60-grit sandpaper or coarser. Prepare surface by mechanical means to achieve this profile. All surface irregularities, cracks, expansion joints and control joints should be properly addressed prior to application.

## INSTALLATION PROCEDURES

1. Prime surface with 10 mils of PlexiGlaze # 4 Novalac epoxy to wet out and strengthen the concrete cap.

### CURE SCHEDULE IS AS FOLLOWS

Pot Life	15 minutes
Tack free	3 hours
Foot traffic	6-8 hours

2. Install the PlexiGard Floor Finish SI Slurry coating.  
Mix Resin (Part A) 2 gallons  
Mix Hardener (Part B) 1 gallon  
Mix 1 bag (40 lbs) SL Filler  
Yield is 80 square feet @ 65 mils
3. Install with serrated squeegee 60 mils. and back roll to eliminate air entrapment and visible marks. This process will self-level the entire surface and leave a high gloss, chemical resistant, smooth, tile like finish.

## EXPANSION JOINTS

All expansion joints should be filled with PlexiFlex Caulk prior to top coating or sealing.

## TOPCOAT

Topcoat with Skydrol Resistant Polyester-Urethane (PlexiCrest P), High Solids Polyaspartic Urethane (PlexiCrest XP) or Super Abrasion Resistant PlexiCrest V (Hi-Abrasion Urethane) and/or PlexiGard F Copolymer Novalac Coating.

**Consult Plexi-Chemie's Technical Department for detailed application and always consult MSDS Data Sheets.**