

## PLEXIGLAZE IFF SL

### DESCRIPTION

PlexiGlaze IFF SL is a pigmented, self-leveling epoxy surfacing system designed to renovate worn concrete floors or protect new concrete against moderate wear and mild chemical spills.

PlexiGlaze IFF SL is installed at a nominal 1/16" to 1/8" thickness consisting of:

- A 100% solids epoxy primer
- A self-leveling epoxy-silica mixture
- Optional aggregates and seal coats for specified finish and texture

PlexiGlaze IFF SL can be installed as a self-sealing system, broadcast with silica and resealed to produce a solid colored texture system, or broadcast with multicolored quartz aggregates and sealed with a clear sealer to produce a decorative surface.

In solid colors, PlexiGlaze IFF SL can be coated with PlexiCoat F Novolac or PlexiCrest P to provide improved performance against moderate chemical spills.

### PRODUCT FEATURES

- Economical and durable
- Excellent color retention
- Fast and easy installation
- Will not support growth of fungus or bacteria. Also available with Bio-inhibitor antimicrobial formula.
- Can be applied to a damp surface
- USDA compliant for use in federally inspected meat and poultry plants
- Approved by Agriculture Canada Food Production and Inspection Branch for use in registered establishments

### USES

PlexiGlaze IFF SL is a durable, cost-effective, heavy duty floor surfacer that will provide a performance level between that of a troweled system and thin mil coating system.

PlexiGlaze IFF SL offers long-term, low-maintenance service for light industrial, commercial, and institutional flooring applications.

PlexiGlaze IFF SL is easily textured to provide sure footing in areas subject to spills and wash-downs.

PlexiGlaze IFF SL is ideal for use in clean rooms, light manufacturing and assembly, warehouses, workshops, mechanical rooms, laboratories, and a variety of commercial and retail applications.

### LIMITATIONS

- Substrate must be sound, clean, properly prepared, and free from high levels of moisture vapor transmission or hydrostatic pressure.

As is the case with any impermeable floor coating, any concrete slab on grade to receive this product should be tested for moisture content while in the planning and estimating stages. Product should only be installed if moisture content falls within acceptable range or where MVB 2000 can be used as a primer.

- Minimum application temperature is 40°F. Below 65°F, handling characteristics are affected and cure times lengthened
- Chemical exposure, service temperatures, mechanical abuse, and housekeeping influence service life

**PERFORMANCE CHARACTERISTICS OF SYSTEM**

Compressive Strength @ 7 days (ASTM C579).....	11,500 psi.
Tensile Strength (ASTM 307).....	2,250 psi.
Flexural Strength (ASTM 580).....	4,500 psi.
Bond Strength (ACI 03R).....	350 psi.
Thermal Coefficient of.....	concrete fails
Expansion (ASTM D696).....	0.000046 inch
Abrasion Resistance (ASTM D4060).....	per inch per OoF
CS17 wheel, 1 kg. load,1000 rev.	0.1 gm. maximum
Thermal Shock Resistance (ASTM C884).....	weight loss
Water Absorption (ASTM C413).....	passes
Flammability (ASTM D635).....	0.1%
Impact Resistance (MIL D3134F).....	Self-extinguishing
Indentation (MIL D3134F).....	16 foot-pounds
	concrete fractures
	No indentation

**CHEMICAL RESISTANCE**

<u>Reagent</u>	<u>Rating</u>	<u>Reagent</u>	<u>Rating</u>
Acetic Acid-5%.....	L	Lactic Acid-15%.....	R
Acetone.....	L	Methyl Ethyl Ketone.....	L
Bleach.....	L	Nitric Acid-10%.....	R
Citric Acid - 50%.....	L	Skydrol.....	R
Crude Oil.....	R	Sodium Hydroxide-50%.....	R
Diesel Fuel.....	R	Sulfuric Acid-30%.....	R
Ethylene Glycol.....	R	Toluene.....	L
Fatty Acids.....	L	Urea.....	R
Gasoline.....	R	Vinegar.....	L
Hydrochloric Acid - 15%.....	R	Xylene.....	L

R - Recommended for continuous service. L - Limited recommendation, occasional spills.

This chart is intended as an aid in evaluating the performance of these systems in various chemical exposures at 75°F. The data is intended as a guide only. In severe or combination exposures, a sample should be tested under actual or simulated use conditions.

Product data is revised as needed to reflect the most recent technology and field experience. Consult PLEXI-CHEMIE for current printing date of literature.

## **APPLICATION**

- Preparation:** Concrete must be structurally sound and clean. Preferred method includes abrasive blast or diamond grinding. Do not apply this or any impermeable finish over an on-grade slab with high moisture or RH levels. Consult PLEXI-CHEMIE for complete details.
- Step One:** Use of a primer is recommended with rough or porous substrates. Premix components, then mix primer A & B with a low speed drill equipped with a Jiffy Mixer for two minutes. Pour onto substrate in ribbons and apply with squeegee. Cut in with brush, and back roll with a short nap roller. Application rate should be 7-9 mils or 180-225 ft<sup>2</sup> per gallon, but will vary depending upon the condition of the substrate. A light broadcast of silica into wet primer will facilitate next step. Allow to tack. Proceed to next step within 24 hour window or sanding and tack wiping will be necessary for adhesion.
- Step Two:** Premix components, then blend IFF Parts A & B with a low speed drill equipped with a Jiffy Mixer or one to two minutes. Add SL powder, blending for an additional minute, making sure aggregate is fully wetted out. Pour onto floor surface in ribbons and level with a screed rake. De-aerate with a porcupine roller. If using a broadcast for a textured surface, proceed to next step immediately.
- Step Three:** Broadcast silica or Plexi*Quartz* to excess. Allow to cure. Sweep and vacuum up loose aggregate.
- Step Four:** Premix components, then blend coating components A & B with a Jiffy Mixer for two minutes. Pour onto floor in ribbons, distribute with a notched squeegee and lightly backroll with a short nap roller to smooth out roller marks.
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## **COLORS**

Solid Colors: All IFF colors  
(see color chart)  
Decorative: Quartz (see Plexi*Quartz* color chart)  
Custom colors are available.

## **SAFETY**

**Safety Data Sheets are available from PLEXI-CHEMIE and should be consulted prior to use of the product. These products are intended for use by professionals only. Keep away from children and those not trained in the use and potential hazards involved.**

## **WARRANTY**

PLEXI-CHEMIE warrants its products to conform to its manufacturing standards. PLEXI-CHEMIE will replace or refund the purchase price of non-conforming products at the seller's option; such remedy being exclusive of all others and sole remedy available to the buyer. Buyer hereby expressly waives claim to additional damages. Any claim under this warranty must be made in writing

within 7 days of discovery of noncompliance and no later than one year from the date of delivery of product. No representative, distributor or applicator of these products is authorized to modify product data or warranty.

## **IMPORTANT NOTICE**

These products are sold subject only to the express warranties contained herein. There are no other warranties by PLEXI-CHEMIE of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Buyer agrees that seller assumes no liability for remote or consequential damages of any kind which result from the use or misuse of this product. Information contained herein is based on data believed to be reliable, however, it is the buyer's responsibility to satisfy itself of the suitability of the product for a particular purpose.