

## Product Data Sheet For:

# PLEXIGLAZE IFF

## *Industrial Floor Finish*

### DESCRIPTION:

PlexiGlaze Industrial Floor Finish is a 100% solids, low VOC, USDA accepted, pigmented, heavy-duty floor coating designed for industrial and commercial applications. PlexiGlaze Industrial Floor Finish is non-blushing and non-water spotting, bonds to cold, damp surfaces, and supports heavy industrial traffic. Although it cures into a very hard solid, it does not become brittle but retains a sufficient amount resilience to withstand impact and vibration. PlexiGlaze Industrial Floor Finish is the most advanced cyclo-aliphatic amine curing system of its kind. In addition, it is also resistant to fungus, mildew, and is anti-microbial.

### **Also available in PlexiGlaze Industrial Floor Finish CR (Chemical Resistant).**

#### TYPICAL USES:

- ↪ Heavy duty epoxy floor coating
- ↪ As a finish coat
- ↪ An overlay
- ↪ Primer/color coat

#### FEATURES:

- ↪ Good chemical resistance
- ↪ Convenient 2 to 1 ratio by volume
- ↪ Tenacious bond to most substrates
- ↪ Non-blushing / non-waterspotting
- ↪ Low viscosity

#### COLORS:

PlexiGlaze Industrial Floor Finish standard colors are: white, gray, dark gray, tile red and beige. Custom colors are available.

#### PACKAGING:

PlexiGlaze Industrial Floor Finish is available in 1 gallon cans, 5 gallon pails, and 50 gallon drums.

#### SURFACE PREPARATION:

PlexiGlaze IFF requires preparation in order to perform as expected. Substrate must be profiled, clean sound, and dry. Substrate must be primed with PlexiSeal Surface tolerant epoxy primer or PlexiGlaze #4.

#### APPLICATION/SPREAD RATES:

PlexiGlaze Industrial Floor Finish is applied with a brush, roller, squeegee and trowel.

Spread rate will vary with desired thickness. PlexiGlaze Industrial Floor Finish is a versatile component used in PlexiGard Shop Floor, PlexiClad, and PlexiChip epoxy systems. As a coating, PlexiGlaze Industrial Floor Finish is applied at 200 square feet per gallon to yield a dry film thickness of 8 mils per coat. See application instruction sheet for complete instructions.

#### LIMITATIONS:

This product is best suited for application in temperatures between 55°F and 95°F. Substrate must be clean, sound, and dry.

#### SPECIAL PURPOSE FORMULATIONS:

PlexiGlaze IFF Regular: For use on most typical installations, for normal use.

PlexiGlaze IFF "Cold Set": For cold area applications when temperature can not be maintained over 50°F, and when a more rapid cure is required at normal temperatures. Should not be used in topcoats due to yellowing.

PlexiGlaze IFF "Fast Set": Is used for quick turnaround time in room temperature areas. PlexiGlaze IFF "Fast Set" is ideal for total system usage when turnaround time is critical. It can also be used separately as a primer, body coat and topcoat. PlexiGlaze IFF "Fast Set" has excellent color retention. It can be used in lower

temperatures to accelerate the installation of the resinous flooring system.

**MOISTURE CONCERNS:**

Moisture vapor transmission in the slab should be measured prior to application of polymeric systems to ensure a long lasting, durable installation. Please refer to the master “Moisture Guidelines” for more information.

**CHEMICAL RESISTANCE:**

PlexiGlaze IFF is resistant to many common chemicals. Please refer to the master “Chemical Resistance Chart” for actual resistance to specific chemicals/reagents.

**CLEANING**

This product is considered to be a low maintenance flooring solution; however, certain textures and service environments require specific procedures. Please refer to the “Plexi-Chemie Cleaning and Maintenance Guide,” on our website: [www.plexichemie.com](http://www.plexichemie.com).

**TECHNICAL INFORMATION:**

Hardness, Shore D	ASTM D-2240	80-85
Compressive Strength	ASTM D-695	12,200 psi
Flame Spread/NFPA 101	ASTM E-84	Class A
Tensile Strength	ASTM D-638	7,400 psi
Impact Resistance	MIL D -24613	0.0007”, no cracking or delamination
Flexural Strength	ASTM D – 790	5,100 psi
Bond Strength to Concrete	ACI-40	Substrate failure
Abrasion Resistance, CS17 Wheel, 1000g load, 1000 cycles	ASTM D-4060	0.29 mg loss
Water Absorption	MIL D-24613	0
Coefficient of Friction	ASTM D-2047	0.7 minimum
VOC Content		0 g/L
Solids Content		100%
Coefficient of Thermal Expansion		2x10 <sup>-5</sup> in/F
Flammability	ASTM D-635	Self-Extinguishing

**PHYSICAL PROPERTIES:**

Mix Ratio (by volume)	2 parts resin to 1 part hardener
Viscosity at 70 °F (mixed hardener & resin)	700 cps
Pot Life at 70 °F	20-25 minutes
Cure Time, Touch Dry at 70 °F (Cold Set)	4-6 hours
Cured Film Thickness	16 mils at 100 sq. ft./gallon spread rate
Salt Spray Resistance, 25% solution at 90 °F	No effect after 100 hours
Toxicity	Non-toxic, USDA approved

Notice: The technical data contained herein are true and accurate to the best of our knowledge. All products are offered and sold subject to Plexi-Chemie Standard Conditions of Sale. Published technical data and instructions are subject to change without prior notice.

**Please be sure the Safety Data Sheet is read and understood before using any Plexi-Chemie product.**