

**Product Data Sheet For:**






# **PLEXIGLAZE #4**

## **Clear High Performance Epoxy**







**DESCRIPTION:**

PlexiGlaze #4 is a 100% solids, USDA accepted, water-clear epoxy flooring resin designed as a topcoat for decorative colored quartz, and decorative broadcast flake flooring systems. It is also used as a binder for mortar floors and as a primer/sealer for concrete. PlexiGlaze #4 can also be used as a primer, body coat and sealer for walls. PlexiGlaze #4 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 #4 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.

**TYPICAL USES:**

-  Primer
-  Binder
-  Sealer
-  Grout coats
-  Wall systems

**FEATURES:**

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

**COLORS:**

PlexiGlaze #4 is typically clear but can be tinted by adding 25% of PexiGlaze Industrial Floor Finish resin. This is referred to as a shop floor resin.

**PACKAGING:**

PlexiGlaze #4 is available in 3 gallon units, 15 gallon units, and 50 gallon drums.

**SURFACE PREPARATION:**

This product 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 Floor Primer. Please refer to the

Plexi-Chemie "Surface Preparation Guide" for more information.

**APPLICATION/SPREAD RATES:**

PlexiGlaze #4 is applied with a brush, roller, squeegee and trowel. Spread rate will vary with desired thickness. PlexiGlaze #4 is a versatile component used in PlexiQuartz, PlexiGard Shop Floor, PlexiClad, and PlexiChip epoxy systems. See application instruction sheet for complete instructions. As a coating, PlexiGlaze #4 is applied at 200 square feet per gallon to yield a dry film thickness of 8 mils per coat.

**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 #4 Regular: For use on most typical installations, for normal use.

PlexiGlaze #4 "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. PlexiGlaze #4 "Cold Set" should not be used as a topcoat in a cold environment due to yellowing. Instead, use PlexiGlaze IFF.

*PlexiGlaze #4 "Fast Set"*: Is used for quick turnaround time in room temperature areas. *PlexiGlaze #4 "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 #4 "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 polymer systems to ensure warranty on the installation. Please refer to the master "Moisture Guidelines" for more information. If moisture vapor transmission is present, use *PlexiGlaze MVB 2000 Primer*.

**CHEMICAL RESISTANCE:**

This product is resistant to many common chemicals. Please refer to the master "Chemical Resistance Chart" for actual resistance to specific chemicals/reagents.

**CLEANING:**

*PlexiGlaze #4* 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).

**TECHINCAL INFORMATION:**

Color	Clear, can be tinted with <i>PlexiGlaze Industrial Floor Finish Resin</i>
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

**PHYSICAL PROPERTIES:**

Hardness, Shore D	ASTM D-2240	80-85
Compressive Strength	ASTM D-695	11,200 psi
Flame Spread/NFPA 101	ASTM E-84	Class A
Tensile Strength	ASTM D-638	2,100 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%
Flammability	ASTM D-635	Self Extinguishing

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.**