



Product Data Sheet For:

PLEXIGLAZE 3

Description:

PlexiGlaze 3 is multipurpose, polyamine-cured epoxy resin that can be used as a primer/sealer for concrete floors, as a binder for silica-filled troweled surfacers and as a body coat for colored quartz or flake-filled floors

PlexiGlaze 3 is available only as a clear resin. If a colored version is required pigment pack applications are suggested. If optional finishes and chemical resistance is a consideration please see additional coatings and systems available on the Plexi-Chemie website, www.plexi-chemie.com.

Product Features:

- ↪ Sanitary-easily maintained and serviced
- ↪ Seamless-minimizing bacterial growth
- ↪ 100% solids epoxy and odorless
- ↪ Abrasion and impact resistant
- ↪ Antimicrobial version available
- ↪ Excellent choice for concrete, masonry and resinous surfaces
- ↪ Excellent clarity and color retention
- ↪ Complies with USDA requirements for use in federally inspected meat and poultry plants
- ↪ May be installed over PlexiGlaze MVB 2000 and Rubberthane systems

Packaging:

<u>Unit Size</u>	<u>Part A</u>	<u>Part B</u>
20 Gallons	3 X 5	1 X 5
100 Gallons	16 X 5	4 x 5

Standard colors:

Clear Only

Limitations:

Substrate must be sound, clean, properly prepared, dry and free from hydrostatic pressure and elevated levels moisture vapor. Suggested

installation temperature range is 45°F to 75°F. Temperatures above and below the suggested range may affect application characteristics and cure time. Contact the Plexi-Chemie Technical Department for additional information and guidelines when vapor transmission and waterproofing considerations are of concern.

Installation guidelines:

Preparation:

Surface must be properly prepared and suitable for the coating application.

Mixing:

Observe all precautions on the MSDS and label when using this product. Premix both components with a low-speed drill for at least two (2) minutes, then mix 3 parts A with 1 part B for an additional 2 minutes.

Application:

PlexiGlaze 3 may be used as the matrix liquid for most coating applications

Working & Cure Time:

Working time of PlexiGlaze 3 is 15-30 minutes depending on ambient and slab temperatures. PlexiGlaze 3 recoat time is 14-18 hours depending on temperature. Sanding between coats is always recommended to avoid intercoat adhesion issues.

Clean-Up:

Clean skin with soap and water. Use Xylene or proprietary epoxy thinners for equipment.

Safety:

This product is intended for use by professionals only. Keep away from children and those not trained in the use and potential hazards involved. Workers should wear gloves, goggles, and body covering when mixing or applying product. Clean up with soap and warm water. Dust masks should be worn.

Technical Information:

Color	Clear, can be tinted with PlexiGlaze Industrial Floor Finish Resin
Mix Ratio (by volume)	3 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

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.

Warranty:

Plexi-Chemie warrants its products to conform to its manufacturing standards. Plexi-Chemie will replace or refund the purchase price of non-conforming product 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 non-compliance 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.

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 Material Safety Data Sheet is read and understood before using any Plexi-Chemie product.