

Product Data Sheet For:

GlasLok Layup 270

Fiberglass Wall-Layup System With Fiberglass Chop Strand

DESCRIPTION

GlasLok 270 is a fiberglass reinforced 100% solids wall coating system for new installations and for the restoration of damaged and abused surfaces, including concrete block, drywall, tile and poured concrete walls.

The GlasLok 270 system incorporates glass and other fiber interlocking components designed to **replace the traditional fiberglass mat layup system**. This allows less time and labor required to complete the application.

GlasLok 270 eliminates permeability and air pocket failures frequently encountered with glass mat installations. GlasLok 270 is a fiberglass thixotropic coating that is installed with chopped strand. The addition of the glass filler component produces a glass filled system with a suggested thickness range of up to 120 mils or greater. As a rule of thumb, surfaces that are damaged or have the potential for chemical or physical abuse require the GlasLok Fiberglass wall troweled layup system.

FEATURES & BENEFITS

- Sanitary easily maintained and serviced.
- Seamless minimizing bacterial growth.
- 100% solids epoxy and odorless.
- Abrasion and impact resistant.
- Antimicrobial version available
- Excellent choice for walls and floors.
- Meets Secondary Containment guidelines.
- System eliminates Fiberglass Mat air pockets.
- Shortened installation & labor saving.
- USDA accepted
- May be installed over MVB 2000 and Rubberthane.
- Does not require patching or repairing of the substrate.

ADVANTAGES

GlasLok 270 may be applied by roller, spray or trowel. The overlapping leaf arrangement of the glass fibers and strands permits higher chemical and physical exposure and superior to fiber glass mat applications.

APPLICATIONS

- Clean Rooms
- Correctional Cell Walls
- Secondary Containment-Walls & Floors
- Tank Linings
- Kitchens
- Chemical Storage

STANDARD COLORS

White-Dusk, Gray-White Sand. Mix resin is a milky color.

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. Contact the Plexi-Chemie technical staff for additional information and guidelines when vapor transmission and waterproofing considerations are of concern.

PACKAGING

1 X 3 gallons GlasLok 270 thixotropic Resin/Hardener
1 X 1 gallon Part C, GlasLok 270 Fiber Filler

COVERAGE

Per gallon-A & B: 35-40 sq. ft. @ 100 mils.
Per 4 gallon unit: Covers 120 sq. ft. @ 100 mils

INSTALLATION GUIDELINES

PRIMING: Use Plexi-MVP 101 Wall Grade Primer. Ratio is 2 parts A to 1 part B. This specific primer is suggested because of its flexible recoat window which allows up to 20 hours prior to coating application. Recoat window is always affected by temperature.

Apply primer at 110 to 160 sq. ft. per gallon, 10 mils minimum.

SYSTEM APPLICATION

- Application of GlasLok 270 wall system is applied by trowel application or spatula @ 100-125 mils. Once cured, sand and apply 1-2 coats of PlexiGlaze IFF Wall Grade @ 15 mils each coat.

- GlasLok 270 Trowel Version includes Part C.
- Mix Parts A & B for a minimum of two minutes. Add up to 1 gallon of Part C, if required, and continue mixing an additional 1 to 2 minutes. Add Part C to determine the finished coat thickness.
- Install according to Standard Industry Practices.
- Cure finished application for a minimum of 24 hours. Up to 7 days if exposed to chemicals.
- Chemical exposure, service temperatures, mechanical abuse and housekeeping influence service life.

CHEMICAL RESISTANCE

Reagent	Rating
Acetic Acid- 5%	L
Acetone	L
Bleach	L
Citric Acid- 20%	L
Crude Oil	R
Diesel Fuel	R
Ethylene Glycol	R
Fatty Acids	L
Gasoline	R
Hydrochloric Acid- 15%	R
Lactic Acid- 15%	L
Methyl Ethyl Ketone	L
Nitric Acid- 10%	L
Skydrol	R
Sodium Hydroxide- 50%	R
Sulfuric Acid- 50%	R
Toluene	L
Urea	R
Vinegar	L
Xylene	L

R- Recommended for continuous service.

L- Limited recommendation, occasional spills.

SAFETY

Workers should wear gloves, goggles, and body covering clothing when mixing or applying product. Clean up with soap and warm water.

WARRANTY

Plexi-Chemie Inc. warrants its products to conform to its manufacturing standards. Plexi-Chemie Inc. 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.

PERFORMANCE PROPERTIES

Compressive Strength (ASTM C-579)	11,000 psi
Tensile Strength: (ASTM D-638)	7,400 psi
Elongation: (ASTM D-638)	15.5%
Flexural Strength	8,900 psi
Adhesion: (ASTM D-4541) To metal:	2,600psi
To concrete:	350 psi (Concrete fails)
Hardness: (ASTM D-2240)	80 (Shore D)
Thermal Coefficient of Expansion (ASTM D-696)	0.000014 per inch per F
Thermo Shock Resistance (ASTM C-884)	passes
Water Absorption ((ASTM C-413)	0.1%
Flammability (ASTM D-635)	Self-extinguishing
Abrasion Resistance (ASTM D-4060)	35 – 38 mg
Flammability (ASTM D-635)	Self-extinguishing
Abrasion Resistance (ASTM D-4060)	35 – 38 mg
CS – 17 wheel, 1 kg. Load, 1,000 rev.	Weight loss
Temperature Limitations	Tg 160°F continuous Tg 240°F or higher intermittent
Impact Resistance (MIL D-3134F)	16 foot-pounds Concrete fractures

IMPORTANT NOTICE

These products are sold subject only to the express warranties contained herein. There are no other warranties by Plexi-Chemie Inc. of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with its product. Buyer agrees that seller assumes no liability for remote or consequential damages of any kind which result from the use or misuse of the 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.

*Coverage rates are approximate due to the glass fiber component & surface being coated.

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