

Product Data Sheet For:

GlasLok 170 FR

High-Build Flex Wall-Coating

Description:

GlasLok 170 FR is a high-performance, 40 mil protective wall coating system designed to repair and protect masonry, drywall and/or non-standard surfaces. It is also designed for use in damp, corrosive environments that need protection from impact, harsh chemical abuse, and thermal cycling. GlasLok 170 FR is effective against acids, alkalis, physical abuse, and is an excellent coating system for secondary containment applications. GlasLok 170 FR incorporates 100% solids Epoxy technology. Depending on environmental conditions, GlasLok 170 FR can be formulated using PlexiGlaze IFF CR, PlexiCoat F Novolac, and other resins, depending on application requirements. GlasLok 170 FR is comprised of standard or novolac resins and incorporates fiberglass technology to create a multilayered glass-reinforced wall coating of unbeatable durability. GlasLok 170 FR minimum thickness is 40 mils by roller. It is available with an optional polymeric filler smoothing coat for CMU walls.

Typical Uses:

- ↪ Food Plants
- ↪ Beverage Facilities
- ↪ Correctional Institutions
- ↪ Institutional Showers/Bathroom Facilities
- ↪ Institutional/Commercial Kitchens
- ↪ Pharmaceutical Plants
- ↪ Medical Operating Rooms
- ↪ Dog Kennels/Pet Facilities

Features & Benefits:

- ↪ Seamless: no joints to harbor bacterial and prevent cracking and increase durability
- ↪ Durable puncture resistant wall
- ↪ Aesthetically pleasing, easy to clean and maintain
- ↪ Stain Resistant/ Acid resistance
- ↪ Excellent bonding to substrates
- ↪ Custom colors available
- ↪ Available with a polymeric smoothing coat for CMU block walls

Advantage:

GlasLok 170 FR 40 mil system provides an abrasion and chemical resistant barrier. The overlapping leaf arrangement of the fiberglass reduces water vapor permeation and permits chemical exposure @ higher temperatures without increasing the coating's thickness.

Surface Preparation:

This product requires preparation in order to perform as expected. The substrate must be clean, sound, and dry. Please refer to the surface preparation guide on our website for more information.

Technical Data:

- ↪ Volume solids 100% mixed
- ↪ Recommended thickness 40 mils
- ↪ Cure time... temperature-related @ 75°F 6 to 12 hours
- ↪ Zero VOC

Storage:

Store all resinous material above 60°F and in a dry area. Always keep away from children. Shelf life 12 months @ recommended storage temperature.

Colors:

GlasLok 170 FR is available in clear or in 12 standard colors. Please refer to the Plexi-Chemie Inc. Standard Color Chart. Custom colors upon request.

Application of 40 mil coating:

All surfaces must be primed with PlexiGlaze #4 Surface Tolerant Primer at a thickness of 7-10 mils. For CMU block walls, patch and fill all joints with Plexi-Chemie’s polymeric smoothing coat prior to installing PlexiGlaze #4 Surface Tolerant Primer. Then, apply 15 mils of GlasLok fiberglass coating. Once cured, apply a second coat of GlasLok 170 Coating. Topcoat with novolac epoxy coating or with PlexiCrest-P Urethane topcoat.

PHYSICAL PROPERTIES

Impact Resistance ASTM D-2794	No cracking crazing @ 75lbs.
Water Absorption ASTM D-570	0.04%
Tensile Strength ASTM D-638	3,100 psi
Flexural Strength ASTM D-790	3,850 psi
Abrasion Resistance CS-17 Wheel, Loss 1000 gm. Load 1000 Cycles ASTM D-4060	15 mg. loss
Pot Life	45-60 min. @ 70°F
Sag ASTM D-4400	12
Elongation ASTM D-2370	120%
Cure Rate	6-8 hours
Temperature Limitations	Tg 140°F continuous Tg 200°F or higher intermittent.
Fire Resistance	Self-Extinguishing
Bond Strength ASTM D-7234	>450 psi Concrete failure
Dry Film Thickness- sprayed Manual layup	25-40 mil each coat 100-250 mils/ coat
Hardness ASTM D-2240 Shore D	80-90
V.O.C. ASTM D-2369	100 Solids - 0 VOC

Packaging (Novolac):

- 1 X 1 Gallon PlexiCoat F Novolac Part A
- 1 X .5 Gallons PlexiCoat F Novolac Part B

Packaging (Standard Resin):

- 1 X 1 Gallon PlexiGlaze IFF CR Part A
- 1 X .5 Gallons PlexiGlaze IFF CR Part B

Cleaning:

Use Xylene to clean tools.

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.