

Product Data Sheet (Rev. 09/16)

CORRO SEWER-LINER AND SEWER-LINER F.S. (Ref. No. 521 and 521FS)

Product Description

- 2-Part, 100%/Total Solids Epoxy Coating System
Consisting of:
Part A – Pigmented Resin
Part B – Hardener
- High Gloss, Good Color Retention, Good Aesthetics
- Smooth or Textured Finish
- U.S.D.A. and C.F.I.A. Compliant
- V.O.C. Compliant/Low Odor/Solvent Free
- Self-Priming
- Easy to Clean Hygienic Surface
- Resin Rich Surface Helps to Resist Bacterial Growth
- As a Trowel Liner, Specify **Corro-Fill Liner Mix**
- User Friendly Mix Ratio of 2:1 by Volume

Special Attributes

- Meets ASTM C-884
Thermal Compatibility with Concrete
- As a Tank Coating with Glass Flakes, Refer to **Corro-Cote Hi-Build GF (Ref. No. 119 GF)**
- Excellent Adhesion to Clean, Sound, Damp Concrete
- Application to “Green” Concrete by First Priming with **Corro-Cure (Ref. No. 602)**
- Built in Resiliency for Thermal, Abrasion and Impact Resistance
- Excellent Wear Resistance
- Can be Applied Indoors or Outdoors
- Good Chemical Resistance (Refer to Chemical Resistance Chart)
- Water Wipe-up

Colors

Brick Red

Common Uses

- As a Liner for Sewer Pipes
- As a Liner for Manholes
- Fixing Eroded Pipes When Used with the **Corro-Fill Liner Mix**

Packaging

Corro Sewer-Liner and Fast Set are available in the following pre-measured pak sizes:

- Standard Pak - 4 Gallon Pak – (25 SF @ ¼”)
- Ten Pak – 40 Gallon Paks (250 SF @ ¼”)
- Bulk Pak – 192 Gallon Paks (1200SF @ ¼”)
- Drum Paks – 600 Gallon Paks (3750SF @ ¼”)

Coverage will vary depending on surface texture.

Priming

Corro Sewer-Liner and Fast Set are self-priming and does not need a primer on sound concrete; however, to help reduce outgassing, blistering and dry spots we recommend first priming with:

- Dry Concrete - Corro Penetrating-Cote (Ref. No. 106) or Corro Penetrating-Seal (Ref. No. 108)**
- Moisture up to 7 lbs - Corro-Prime (Ref. No. 600)**
- Moisture up to 15 lbs - Aqua-Cure (Ref. No. 612)**
- Moisture up to 25 lbs - Corro-Cure LV FS (Ref. No. 602)**

Setting Times

See Set Time Chart on back page for set times.

Apply **Corro Sewer-Liner** in temperatures 60°F/16°C to 90°F/32°C

Apply **Corro Sewer-Liner FS (Fast Set)** in temperatures as low as 35°F/2°C

Mixing and Application

DO NOT MIX BY HAND

Apply by roller and brush. Detailed mixing and application instructions are available upon request.

Clean Up

Corro Sewer-Liner and Sewer-Liner F.S., while still wet, can be cleaned up with warm soapy water, but if allowed to set then mechanical cleaning or the application of a very strong paint stripper will have to be used.

Safety

As with all epoxies, good hygienic habits must be observed and the wearing of protective clothing and gloves is advised. Before using any of the products, please read the container label warnings and their respective material safety data sheets.

Mixing Ratio by Volume

Part A:Part B – 2:1

Mixing Ratio by Weight

Part A:Part B – 2.18:1

Technical Assistance

If you have any questions regarding this product, please call 1-800/298-7637 for further information.

SET TIMES						
Set Times (Slab Temperature)	50°F/10°C		73°F/23°C		90°F/32°C	
Product	Regular	F.S	Regular	F.S.	Regular	F.S.
Pot Life	1 Hour	40 Minutes	45 Minutes	20 Minutes	25 Minutes	15 Minutes
Recoat Time - Floors	18 Hours	12 Hours	15 Hours	4 Hours	12 Hours	2 Hours
Recoat Time - Walls	12 Hours	11.5 Hours	9 Hours	3.5 Hours	6 Hours	1.5 Hours
Foot Traffic	18 Hours	12 Hours	15 Hours	4 Hours	12 Hours	2 Hours
Forklift Traffic	72 Hours	36 Hours	48 Hours	24 Hours	24 Hours	12 Hours
Full Chemical Resistance*	9 Days	9 Days	7 Days	7 Days	7 Days	7 Days

* Refer to Chemical Resistance Chart

ASTM Testing			
ASTM	TEST METHOD	Liquids Only	Filled System
C579	Compressive Strength		5664 psi
C579	Percent Compressive Resiliency		7.5%
	Ratio of Force to % Resiliency		755:1
C579	Compressive Strength @ Yield		3733 psi
C579	Percent Compressive Resiliency @ Yield		3.7%
D695	Compressive Strength	7373 psi	
D695	Percent Compressive Resiliency	47.18%	
	Ratio of Force to % Resiliency	156:1	
D695	Compressive Strength @ Yield	3319 psi	
D695	Percent Compressive Resiliency @ Yield	9.66%	
C580	Flexural Strength		3730 psi
C580	Flexural Modulus of Elasticity		8.65 x 10 ⁵
D790	Flexural Strength	4800 psi	
D790	Flexural Modulus of Elasticity	1.73 x 10 ⁵	
C307	Tensile Strength		2016 psi
C307	Percent Tensile Elongation		6.16%
	Ratio of Tensile Stress to % Elongation		327:1
D638	Tensile Strength	1993 psi	
D638	Percent Tensile Elongation	18%	
	Ratio of Tensile Stress to % Elongation	111:1	
C321	Bond Strength to Concrete		Failure in Concrete
D4541	Bond Strength to Concrete	Failure in Concrete	
C884	Thermal Compatibility to Concrete	No Delamination	No Delamination
C413	Absorption Filled		Less Than .1%
C413	Absorption Unfilled	0%	

WARRANTY

The data, statements and recommendations set forth in this product information sheet are based on testing, research and other development work which has been carefully conducted by us, and we believe such data, statements and recommendations will serve as reliable guidelines. However, this product is subject to numerable uses under varying conditions over which we have no control, and accordingly, we do NOT warrant that this product is suitable for any particular use. Users are advised to test the product in advance to make certain it is suitable for their particular production conditions and particular use or uses.

WARRANTY - All products manufactured by us are warranted to be first class material and free from defects in material and workmanship.

Liability under this warranty is limited to the net purchase price of any such products proven defective, or, at our option, to the repair or replacement of said products upon their return to us transportation prepaid. All claims hereunder on defective products must be made in writing within 30 days after the receipt of such products in your plant and prior to further processing or combining with other materials and products. WE MAKE NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE SUITABILITY OF ANY OF OUR PRODUCTS FOR ANY PARTICULAR USE, AND WE SHALL NOT BE SUBJECT TO LIABILITY FROM ANY DAMAGES RESULTING FROM THEIR USE IN OPERATIONS NOT UNDER OUR DIRECT CONTROL.

THIS WARRANTY IS EXCLUSIVE OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND NO REPRESENTATIVE OF OURS OR ANY OTHER PERSON IS AUTHORIZED TO ASSUME FOR US ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF OUR PRODUCTS.

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