



CORRO-SHIELD
SUPERIOR PERFORMANCE COATINGS

CORRO-SHIELD
Industrial Flooring and Walls

www.corroshield.com

Product Data Sheet (Rev. 09/16)

CORRO-FLOR SL F.S. and X.F.S. (Fast Set and Extra Fast Set) (Ref. No. 300FS/300XFS)

Product Description

- 3 Part, 100%/Total Solids Self-Leveling Floor 1/16", 1/8" or 1/4" Thick, a Faster Setting Version of Corro-Flor SL
- Two Lifts for 1/4"
- Highly Versatile
- Restores Lightly Pitted Concrete
- Smooth or Textured
- Texture with Silica, Granite or Aluminum Oxide
- If Textured, Topcoat with Corro-Cote (Ref. No. 100)
- For More Decorative Finish, Use Colored Quartz or Vinyl Flakes and Topcoat with Corro-Seal
- V.O.C. Compliant/Low Odor/Solvent Free
- U.S.D.A./C.F.I.A. Compliant
- Resin Rich Surface Helps to Resist Bacterial Growth
- Non-Porous
- Cool Temperature Application below 50°F (use **Corro-Flor SL LV FS – (Ref. No. 300 LV FS)**)

Special Attributes

- Meets ASTM C-884 - Compatibility with Concrete
- Excellent Adhesion to Clean, Sound, Damp Concrete
- Special Adhesion Promoters
- Built in Resiliency for Thermal Shock (Steam Cleaning) and Impact Resistance
- 4 Hour Re-Coat
- Can be Applied Indoors or Outdoors
- Good Chemical Resistance (Refer to Chemical Resistance Chart)
- Water Wipeable
- User Friendly Mix Ratios
- Same Chemical Resistance Resins Throughout

Colors

Black, White, Gray, Dark Gray, Brick Red, Beige, Green and Brown. Special colors are available upon request, for an additional charge.

Common Uses

- Monolithic Floor- Use in Clean Rooms with Little or No Texture
- 1/4" Application for Heavy Traffic
- 1/8" for Hand Cart and Foot Traffic
- Moderate to High Wear Areas
- Can be Installed over Well Bonded Tile
- Excellent for C.I.P. Areas, Pharmaceutical and Food Plants
- Meat Plants
- Coolers

Packaging

Corro-Flor SL FS and XFS are available in the following package sizes:

- Standard Pak (4 Gallons – 100 SF @ 1/8" Thick)
- Ten Pak (40 Gallons – 1,000 SF @ 1/8" Thick)
- Drum (800 Gallons – 20,000 SF @ 1/8" Thick)

Coverage will vary depending on surface texture.

Priming

Corro-Flor SL FS and XFS are resin-rich 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 LVFS (Ref. No. 602)**

Mixing and Application

DO NOT MIX BY HAND

Detailed mixing and application instructions are available upon request.

Clean Up

Corro-Flor SL FS and XFS 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 their respective safety data sheets.

Mixing Ratio by Volume

Part A:Part B – 2:1
A & B Mixed: Corro-Fill: 1.28:1

Mixing Ratio by Weight

Part A:Part B – 2.30:1

Self Leveling System

Corro-Shield Industries Inc./ Corro-Shield International Inc.

4-115 First Street, Suite 532, Collingwood, Ontario, L9Y 4W3•T: 1-888-780-3229, F: 844-930-0248

2575 United Lane, Elk Grove Village, IL, 60007•T: 1-800-298-7637, F: 847-298-7798

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Technical Assistance

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

SET TIMES						
<u>Set Times (Slab Temperature)</u>	50°F/10°C		73°F/23°C		90°F/32°C	
Product	FS	XFS	FS	XFS	FS	XFS
<u>Pot Life (Minutes)</u>	40 Min.	20 Min.	20 Min.	10 Min.	15 Min.	5 Min.
Recoat Time - Floors	12 Hours	4 Hours	4 Hours	2 Hours	2 Hours	1 Hour
Recoat Time - Walls	11.5 Hours	3.5 Hours	3.5 Hours	1.5 Hours	1.5 Hours	1 Hour
Foot Traffic	12 Hours	4 Hours	4 Hours	2 Hours	2 Hours	1 Hour
Forklift Traffic	24 Hours	24 Hours	24 Hours	12 Hours	12 Hours	12 Hours
Full Chemical Resistance*	7 Days	7 Days	7 Days	7 Days	7 Days	7 Days

ASTM Testing			
ASTM	TEST METHOD	Liquids Only	Filled System
C579	Compressive Strength		6950 psi
C579	Percent Compressive Resiliency		8.85%
	Ratio of Force to % Resiliency		785:1
C579	Compressive Strength @ Yield		3725 psi
C579	Percent Compressive Resiliency @ Yield		3%
D695	Compressive Strength	14,132 psi	
D695	Percent Compressive Resiliency	46.4%	
	Ratio of Force to % Resiliency	305:1	
D695	Compressive Strength @ Yield	3163 psi	
D695	Percent Compressive Resiliency @ Yield	18.5%	
C580	Flexural Strength		3892 psi
C580	Flexural Modulus of Elasticity		8,49 x 10 ⁵
D790	Flexural Strength	2400 psi	
D790	Flexural Modulus of Elasticity	1,26 x 10 ⁵	
C307	Tensile Strength		1308 psi
C307	Percent Tensile Elongation		6.5%
	Ratio of Tensile Stress to % Elongation		201:1
D638	Tensile Strength	1333 psi	
D638	Percent Tensile Elongation	33%	
	Ratio of Tensile Stress to % Elongation	40:1	
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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