



CORRO-SHIELD
SUPERIOR PERFORMANCE COATINGS

CORRO-SHIELD
Industrial Flooring and Walls

www.corroshield.com

Product Data Sheet (Rev. 09/16)

CORRO HI-FLOR SL and CORRO HI-FLOR SL (Fast Set) (Ref. No. 301 and 301FS)

Product Description

- 3 Part, 100%/Total Solids Self-Leveling Floor
 - Part A - Resin
 - Part B - Hardener
 - Part C – Blended Filler (Corro-Fill)
- Self-Leveling Floor 1/16", 1/8" or 1/4" Thick
- 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 Hi-Cote (Ref. No. 102)**
- 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 Hi-Flor SL FS – (Ref. No. 301FS)**)

Special Attributes

- Meets ASTM C-884 - Compatibility with Concrete
- Excellent Adhesion to Clean, Sound, Damp Concrete
- Built in Resiliency for Thermal Shock (Steam Cleaning) and Impact Resistance
- Can be Applied Indoors or Outdoors
- Good Chemical Resistance (Refer to Chemical Resistance Chart)
- Resin Rich Surface Helps to Resist Bacterial Growth
- Excellent Abrasion and Impact Resistance
- 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
- Can be Installed over Well Bonded Tile
- Moderate to High Wear Areas
- Excellent for C.I.P. Areas, Pharmaceutical and Food Plants
- Meat Plants
- Coolers
- Containment Areas
- Battery Charging and Manufacturing Areas

Packaging

Corro Hi-Flor SL and Corro Hi Flor SL FS are available in the following pak sizes:

Standard Pak (4 Gallons – 50 SF @ 1/8" Thick)

Ten Pak (40 Gallons – 500 SF @ 1/8" Thick)

Coverage will vary depending on surface texture.

Priming

Corro Hi-Flor SL and Corro Hi-Flor SL FS are resin-rich and do 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 Hi-Flor SL and Corro Hi-Flor SL FS 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.

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

www.corroshield.com

Mixing Ratio by Volume

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

Mixing Ratio by Weight

Regular Set Fast Set
Part A:Part B – 2.25:1 Part A:Part B – 2.30:1

Technical Assistance

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

SET TIMES						
Set Times	35°F.	50°F.		73°F.		90°F.
	Fast Set	Fast Set	Regular	Fast Set	Regular	Regular
Pot Life	1 Hour	40 Minutes	1 Hour	20 Minutes	45 Minutes	25 Minutes
Recoat Time	18 Hours	12 Hours	18 Hours	4 Hours	15 Hours	12 Hours
Foot Traffic	18 Hours	12 Hours	18 Hours	4 Hours	15 Hours	12 Hours
Forklift Traffic	36 Hours	36 Hours	72 Hours	24 Hours	48 Hours	24 Hours
Full Chemical Resistance*	9 Days	9 Days	9 Days	7 Days	7 Days	7 Days

*Refer to Chemical Resistance Chart

ASTM	TEST METHOD	Liquids Only	Filled System
C579	Compressive Strength		6592 psi
C579	Percent Compressive Resiliency Ratio of Force to % Resiliency		24% 274:1
C579	Compressive Strength @ Yield		3142 psi
C579	Percent Compressive Resiliency @ Yield		6%
D695	Compressive Strength	7250 psi	
D695	Percent Compressive Resiliency Ratio of Force to % Resiliency	44% 165:1	
D695	Compressive Strength @ Yield	3417 psi	
D695	Percent Compressive Resiliency @ Yield	10.73%	
C580	Flexural Strength		3307 psi
C580	Flexural Modulus of Elasticity		1,35 x 10 ⁶
D790	Flexural Strength	4640 psi	
D790	Flexural Modulus of Elasticity	1,76 x 10 ⁵	
C307	Tensile Strength		1854 psi
C307	Percent Tensile Elongation Ratio of Tensile Stress to % Elongation		13% 143:1
D638	Tensile Strength	1707 psi	
D638	Percent Tensile Elongation Ratio of Tensile Stress to % Elongation	15% 114:1	
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%	

AUTHORIZED TO ASSUME FOR US ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF OUR PRODUCTS. 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

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