



CORRO-SHIELD
SUPERIOR PERFORMANCE COATINGS

CORRO-SHIELD
Industrial Flooring and Walls

www.corroshield.com

Product Data Sheet (Rev. 10/17)

CORRO-FLOR TR AND FAST SET (Ref. No. 200/200FS)

Product Description

- 3-Part, 100%/Total Solids Epoxy Coating System
Consisting of:
Part A – Pigmented Resin
Part B – Hardener
Part C – Blended Granite or Quartz Aggregate (Corro-Fill), plus Tint
- V.O.C. Compliant/Low Odor/Solvent Free (V.O.C. Content: 58.43 g/L per ASTM D-2369-01)
- Self-Priming, Resin-Rich – No Sealer Topcoat Required (Topcoat Helps Lock In Aggregate and Help in Aesthetics)
- Meets ASTM C-884
Thermal Compatibility with Concrete
- For Coves, specify **Corro-Flor Cove Base (Ref. No. 208)**
- Excellent Abrasion Resistance
- Dense Compact Finish/ Non-Porous
- Easy to Clean Hygienic Surface
- Resin Rich Surface Helps to Resist Bacterial Growth
- User Friendly Mix Ratio of 2:1 by Volume Plus Aggregate
- Textured Finish
- Can be Used Indoors or Outdoors

Special Attributes

- U.S.D.A. and C.F.I.A. Compliant
- Excellent Adhesion to Clean, Sound, Damp Concrete
- Built in Resiliency for Thermal Shock and Impact Resistance
- Excellent Adhesion to 24 Hour Old Concrete by Priming with **Corro-Cure LVFS (Ref. No. 602)**
- Good Chemical Resistance - Resistant to Many Acids, Solvents and Cleaning Solutions. (Refer to Chemical Resistance Chart)
- Power Trowelable
- Water Wipeable
- Hygienic, Easy to Clean Surface

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 for Heavy Traffic
- Repairing of Highly Eroded Concrete Floors
- Where Good Chemical Resistance is Required
- Excellent Abrasion Resistance

Packaging

Standard Pak -Pre-measured 4 Gallon Pak – 25 SF @ ¼”
Ten Pak -10 x 4 Gallon Pre-measured Paks – 250 SF @ ¼”
48 Bulk Pak -192 Gallons in Bulk – 1200 SF @ ¼”
Drum Pak -532 Gallons in Bulk – 3325 SF @ ¼”
Coverage will vary depending on surface texture.

Priming

Corro-Flor is 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 LVFS (Ref. No. 602)

Setting Times

Corro-Flor is available in either regular or fast set versions:
Corro-Flor Regular Set – For temperatures 60°F and higher
Corro-Flor FS (Fast Set) - For temperatures as low as 35°F
See Set Time Chart on back page for various setting times.

Mixing and Application

DO NOT MIX BY HAND

- Can be Power Troweled **using a light electric power troweled machine**
- **We highly recommend** to use our own fillers for ultimate results

Detailed mixing and application instructions are available upon request.

Clean Up

Corro-Flor 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.

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

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Mixing Ratio by Volume

Part A:Part B – 2:1

A & B Mixed:Corro-Fill: 1:3

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	Fast Set	Regular	Fast Set	Regular	Fast Set
Pot Life	1 Hours	40 Minutes	45 Minutes	20 Minutes	25 Minutes	15 Minutes
Recoat Time	18 Hours	12 Hours	15 Hours	4 Hours	12 Hours	2 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	5 Days	5 Days

* Refer to Chemical Resistance Chart

ASTM	TEST METHOD @ 73°F/23 ° C	Regular Set Results – Liquids Only	Regular Set Results – Fill System	Fast Set Results – Liquids Only	Fast Set Results – Fill System
C579	Compressive Strength		5664 psi		6950 psi
C579	Percent Compressive Resiliency		7.5%		8.85%
	<u>Ratio of Force to % Resiliency</u>		755:1		785:1
C579	Compressive Strength @ Yield		3733 psi		3725 psi
C579	Percent Compressive Resiliency @ Yield		3.7%		3%
D695	Compressive Strength	7373 psi		14,132 psi	
D695	Percent Compressive Resiliency	47.18%		46.4%	
	<u>Ratio of Force to % Resiliency</u>	156:1		305:1	
D695	Compressive Strength @ Yield	3319 psi		3163 psi	
D695	Percent Compressive Resiliency @ Yield	9.66%		18.5%	
C580	Flexural Strength		3730 psi		3892 psi
C580	Flexural Modulus of Elasticity		8.65 x 10 ⁵		8.49 x 10 ⁵
D790	Flexural Strength	4800 psi		2400 psi	
D790	Flexural Modulus of Elasticity	1.73 x 10 ⁵		1.26 x 10 ⁵	
C307	Tensile Strength		2016 psi		1308 psi
C307	Percent Tensile Elongation		6.16%		6.5%
	<u>Ratio of Tensile Stress to % Elongation</u>		327:1		201:1
D638	Tensile Strength	1993 psi		1333 psi	
D638	Percent Tensile Elongation	18%		33%	
	Ratio of Tensile Stress to % Elongation	111:1		40:1	
C321	Bond Strength to Concrete		Failure in Concrete		Failure in Concrete
D4541	Bond Strength to Concrete	Failure in Concrete		Failure in Concrete	
C884	Thermal Compatibility to Concrete	No Delamination	No Delamination	No Delamination	No Delamination
C413	Absorption Filled		Less Than .1%		Less Than .1%
C413	Absorption Unfilled	0%		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 numerous 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.

Trowelable System

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