



CORRO-SHIELD
SUPERIOR PERFORMANCE COATINGS

CORRO-SHIELD
Industrial Flooring and Walls

www.corroshield.com

Product Data Sheet (Rev. 09/16)

CORRO-SEAL AND CORRO-SEAL F.S. (Fast Set) (Ref. No. 107 and 107FS)

Product Description

- 2-Part, 100%/Total Solids Clear Epoxy Sealer System Consisting of:
 - Part A – Clear Resin
 - Part B – Hardener
- High Gloss
- Smooth or Textured Finish
- U.S.D.A. and C.F.I.A. Compliant
- V.O.C. Compliant/Low Odor/Solvent Free (VOC's – 58.43 g/L per ASTM D-2369-01)
- Self-Priming
- Easy to Clean Hygienic Surface
- Resin Rich Surface Helps to Resist Bacterial Growth
- Apply to Indoors
- User Friendly Mix Ratio of 2:1 by Volume

Special Attributes

- Meets ASTM C-884 Thermal Compatibility with Concrete
- Excellent Adhesion to Clean, Sound, Damp Concrete
- Built in Resiliency for Thermal Shock (Steam Cleaning), Abrasion and Impact Resistance
- Excellent Wear Resistance
- Good Chemical Resistance (Refer to Chemical Resistance Chart)
- Water Wipeable
- For a Textured Finish, Broadcast with Silica or Aluminum Oxide

Color

Clear.

Common Uses

- Concrete or Wood Sealer
- Topcoat for Color Quartz and Vinyl Decorative Flooring
- Top Coat on Pigmented Systems
- Clean Rooms

Packaging

Corro-Seal and Corro-Seal F.S. are available in the following pre-measured pak sizes:

- 1 Gallon Pak (160 SF @ 10 mils)
- 2 ½ Gallon Pak (400 SF @ 10 mils)
- 4 Gallon Pak (640 SF @ 10 mils)

Coverage will vary depending on surface texture.

Priming

Corro-Seal 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

See Set Time Chart on back page for set times.

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

Apply **Corro-Seal Fast Set** in temperatures as low as 35° F/2° C

Mixing and Application

DO NOT MIX BY HAND

Apply with squeegee, roller and brush.

Detailed mixing and application instructions are available upon request.

Clean Up

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

Corro-Seal and Corro-Seal Fast Set Product Data Sheet - Page 2**Mixing Ratio by Volume**

Part A:Part B – 2:1

Mixing Ratio by Weight

Part A:Part B – 2.20:1

Technical Assistance

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

SET TIMES								
	35°F/2°C		50°F/10°C		73°F/23°C		90°F/32°C	
Recommended Product	FS	Regular	FS	Regular	FS	Regular	FS	
Pot Life	1 Hour	1 Hour	40 Mins.	45 Mins.	20 Mins.	25 Mins.	15 Mins.	
Recoat Time - Floors	18 Hours	18 Hours	15 Hours	15 Hours	12 Hours	12 Hours	10 Hours	
Recoat Time - Walls	12 Hours	12 Hours	9 Hours	9 Hours	6 Hours	6 Hours	4 Hours	
Foot Traffic	18 Hours	18 Hours	12 Hours	15 Hours	4 Hours	12 Hours	2 Hours	
Forklift Traffic	72 Hours	72 Hours	48 Hours	48 Hours	24 Hours	24 Hours	24 Hours	
Full Chemical Resistance*	9 Days	9 Days	9 Days	7 Days	7 Days	7 Days	7 Days	

* Refer to Chemical Resistance Chart

Viscosity Testing	
Viscosity (Using LV.DV1+ Viscometer)	Test Method @ 73°F/23°C
Part A – 500 – 520 cps	Using LV1 Spindle at 10 RPM
Part B – 395 - 410 cps	Using LV1 Spindle at 12 RPM
A & B Mixed – 420 - 430 cps	Using LV1 Spindle at 12 RPM

ASTM Testing			
ASTM	TEST METHOD @ 73°F/23°C	Results - Regular	Results – Fast Set
D695	Compressive Strength	7733 psi	14,132 psi
D695	Percent Compressive Resiliency	47.18%	46.4%
D695	Compressive Strength @ Yield	3319 psi	3163 psi
D695	Percent Compressive Resiliency @ Yield	9.66%	18.5%
D790	Flexural Strength	4800 psi	2400 psi
D790	Flexural Modulus of Elasticity	1.73 x 10 ⁵	1.26 x 10 ⁵
D638	Tensile Strength	1993 psi	1333 psi
D638	Percent Tensile Elongation	18%	33%
D4541	Bond Strength to Concrete	Failure in Concrete	Failure in Concrete
C884	Thermal Compatibility to Concrete	Pass	Pass
D570	Absorption	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 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.