

Corro-Shield International, Inc.

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PRODUCT DATA SHEET (Rev. 1/01)

CORRO ULTRA-FLOR (Ref. No. 202)

Product Description

- Unique Trowellable Epoxy Floor ¼" Thick
- 100% Solids Epoxy Novolac Resin
- Self-Priming, Resin-Rich – No Sealer Topcoat Needed
- Low Odor/Solvent Free
- V.O.C. Compliant
- Blended Granite or Quartz Aggregate
- Available as a Terrazzo System

Special Features

- Meets ASTM C-884 Thermal Compatibility with Concrete
- Excellent Adhesion to Clean, Sound, Damp Concrete
- Excellent Chemical and Solvent Resistance, Including Methylene Chloride (Refer to Chemical Resistance Chart)
- Can be Used Indoors or Outdoors
- User Friendly Mix Ratio of 2:1 by Volume
- Water Wipeable
- Hygienic, Easy to Clean Surface
- Resin Rich Surface Helps to Resist Bacteria Growth
- Withstands High Heat (Up to 300°F.)

Application

- Monolithic Floor for Heavy Traffic
- Repairing of Highly Eroded Concrete Floors
- Where Excellent Chemical and Solvent Resistance is Required
- Excellent Against Methylene Chloride
- Where Heat Resistance is Required
- Pharmaceutical Applications
- Excellent Abrasion Resistance
- Excellent for C.I.P. Areas

Packaging

Corro Ultra-Flor is available in the following pak sizes:
Standard Pak -Pre-measured 3.35 Gallon Pak – 21.5 SF @ ¼"
Ten Pak -10 x 3.35 Gallon Pre-measured Paks – 215 SF @ ¼"
48 Bulk Pak -161 Gallons in Bulk – 1032 SF @ ¼"
Drum Pak -446 Gallons in Bulk – 2859 SF @ ¼"

Priming

Corro Ultra-Flor is self-priming, however, priming with Corro Ultra-Prime is recommended only as a precautionary measure to try and seal the concrete to help reduce outgassing and eliminate the formation of blisters and "dry spots". Do not use any other primer. Refer to Corro Ultra-Prime data sheet.

Set Times

Corro Ultra-Flor is only available in one setting time, and should be applied at temperatures between 50°F and 90°F. For various set times, see back page. For temperatures lower than 50°F., please consult the factory.

Mixing and Application

Detailed mixing and application instructions are available upon request.

Colors

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

Clean Up

Corro Ultra-Flor while still wet can be cleaned up with warm soapy water, but if allowed to set then mechanical cleaning will have to be used.

Precautions

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.

Technical Assistance

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

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Physical Characteristics

Density (lbs./gal.)	
Part A	9.8
Part B	8.2
Parts A & B Mixed	9.24
A & B Mixed & Filler	15.15

Mix Ratios by Volume

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

Coverage (Theoretical)

3.35 Gallon Pak @ 1/4" = 21.5 SF

Set Times (Slab Temperature)	50°F.	73°F.	90°F.
Pot Life	40 Minutes	20 Minutes	15 Minutes
Foot Traffic	12 Hours	4 Hours	2 Hours
Forklift Traffic	36 Hours	24 Hours	12 Hours
Full Chemical Resistance	9 Days	7 Days	5 Days

ASTM	TEST METHOD	Liquids Only	Filled System
C579	Compressive Strength		7525 psi
C579	Percent Compressive Resiliency		4.35%
	Ratio of Force to % Resiliency		1730:1
C579	Compressive Strength @ Yield		5000 psi
C579	Percent Compressive Resiliency @ Yield		2.17%
D695	Compressive Strength	7738 psi	
D695	Percent Compressive Resiliency	26.8%	
	Ratio of Force to % Resiliency	289:1	
D695	Compressive Strength @ Yield	5017 psi	
D695	Percent Compressive Resiliency @ Yield	7.9%	
C580	Flexural Strength		3550 psi
C580	Flexural Modulus of Elasticity		1.19 x 10 ⁶
D790	Flexural Strength	1200 psi	
D790	Flexural Modulus of Elasticity	2.04 x 10 ⁵	
C307	Tensile Strength		1700 psi
C307	Percent Tensile Elongation		1.25%
	Ratio of Tensile Stress to % Elongation		1360:1
D638	Tensile Strength	4420 psi	
D638	Percent Tensile Elongation	12.74%	
	Ratio of Tensile Stress to % Elongation	347:1	
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 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.