



CORRO-SHIELD
SUPERIOR PERFORMANCE COATINGS

CORRO-SHIELD

Industrial Flooring and Walls

www.corroshield.com

- Freezers

Product Data Sheet (Rev. 10/16)

CORRO E-CRETE LINER (Ref. No. 517)

Product Description

- 3-Part, Water-Based, **Trowel / Slurry Epoxy Cement** with Dense, Hard Aggregates consisting of:
 - Part A – Resin
 - Part B – Hardener
 - Part C – Corro-Fill (Aggregate), plus Tint
- **Heavy Duty Protection for Vertical and Overhead Areas**
- V.O.C. Compliant/Low Odor/Solvent Free
- No Limitations to Thickness
- Can Top Coat with **Corro E-Cote (Ref. No. 148)**
- Satin Finish
- Meets ASTM C-884 – Thermal Compatibility with Concrete – Steam and Hot Water Wash Downs
- No Isocyanates
- Limited Shrinkage
- Reduced Pinholes – Does Not Form Carbon Dioxide Gas like Urethane Cements
- Water Wipe Down

Features and Benefits

- **Heat Resistance and Cold Resistant from -35°F/-37°C to 450°F/232°C**
- Smoothes Out Pitted Walls
- U.S.D.A. and C.F.I.A. Compliant
- Excellent Stain Resistance
- Good Abrasion Resistance
- Fast Turn Around Times
- Good Chemical Resistance (Refer to Chemical Resistance Chart)
- Good Color Stability

Colors

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

Common Uses

- Protection for Trenches, Pits, Sumps, Manholes and Concrete Pipes
- Thermal Shock Areas
- High and Low Temperature Areas
- Bakeries
- Meat Processors
- Dairies
- Poultry Processors
- Commercial Kitchens/Restaurants
- Fry Areas
- Monolithic for Heavy Traffic
- Indoor or Outdoor Areas

Packaging

Corro E-Crete Liner is available in the following pre-measured pak sizes:

- 1 Gallon Pak 12.8 SF @ 1/8"
- 3 Gallon Pak 34.8 SF @ 1/8"

Coverage will vary depending on surface texture.

Priming

Corro E-Crete Liner must be primed with one of the following primers for ultimate adhesion:

- Dry Concrete - Corro E-Seal (Ref. No. 151) or Corro E-Cote (Ref. No. 148)**
- 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 LV FS (Ref. No. 602)**

Mixing and Application

Detailed mixing and application instructions are available upon request.

Apply at temperatures from 40°F/5°C to 85°F/29°C degrees maximum and no more than 85% humidity.

Clean Up

Corro E-Crete, 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.

Mixing Ratio by Volume

- Part A: Part B – 1:1.51
- A & B Mixed: Corro-Fill – 1:1.52

Mixing Ratio by Weight

- Part A: Part B – 1:1.25

Heat Resistant Liner System

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

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7059 Barry Street Rosemont IL, 60018•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	
Do not apply in temperatures lower than 40°F/5°C or higher than 85°F/29°C	
Set Times (Slab Temperature)	73°F / 23°C
Pot Life	20 Minutes
Recoat Time	1 Hours
Foot Traffic	2 Hours
Forklift Traffic	6 Hours
Full Chemical Resistance*	7 Days

* Refer to Chemical Resistance Chart

ASTM	Test Method	Filled System
C-579	Compressive Strength	5158 psi
C-579	Compressive Resiliency	7.5%
	Ratio of Force to % Resiliency	688:1
C-579	Compressive Strength @ Yield	4125 psi
C-580	Flexural Strength	3589 psi
C-580	Flexural Modulus of Elasticity	6,5 x 10 ⁵
C-307	Tensile Strength	1729 psi
C-307	Tensile Elongation	5.2%
	Ratio of Stress to % Elongation	333:1
C-321	Bond Strength to Concrete	Failure in Concrete
C-884	Thermal Compatibility to Concrete (Filled)	Pass

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.