



CORRO-SHIELD
SUPERIOR PERFORMANCE COATINGS

CORRO-SHIELD Industrial Flooring and Walls

www.corroshield.com

Product Data Sheet

CORRO-COTE (Ref. No. 100)

Product Description

- 2-Part, 100%/Total Solids Epoxy Coating System
Consisting of:
Part A – Pigmented Resin
Part B – Hardener
- High Gloss, Good Color Retention, Good Aesthetics
- Smooth or Textured Finish
- U.S.D.A. and C.F.I.A. Compliant
- V.O.C. Compliant/Low Odor/Solvent Free
- Self-Priming
- Easy to Clean Hygienic Surface
- Resin Rich Surface Helps to Resist Bacterial Growth
- User Friendly Mix Ratio of 2:1 by Volume

Special Attributes

- Meets ASTM C-884
Thermal Compatibility with Concrete
- Top Coat for Industrial Floors
- As a Tank Coating with Glass Flakes, Refer to **Corro-Cote Hi-Build GF (Ref. No. 119 GF)**
- Excellent Adhesion to Clean, Sound, Damp Concrete
- Application to “Green” Concrete by First Priming with **Corro-Cure (Ref. No. 602)**
- Excellent Adhesion to Most Clean Metal
- Built in Resiliency for Thermal Shock (Steam Cleaning), Abrasion and Impact Resistance
- Excellent Wear Resistance
- Can be Applied Indoors or Outdoors
- Good Chemical Resistance (Refer to Chemical Resistance Chart)
- Water Wipe-up
- Cures to a Smooth Glossy Finish
- For a Textured Finish, Broadcast with Silica or Aluminum Oxide
- Oil and Barrier to prevent from sipping to earth minerals

Colors

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

Common Uses

Coating to Floors and Walls in:

- Dairies
- Meat Packaging
- Breweries
- Pharmaceutical Plants
- Food Production
- Industrial Buildings
- Schools and Hospitals

Packaging

Corro-Cote is 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-Cote 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 LV FS (Ref. No. 602)**

Setting Times

See Set Time Chart on back page for set times. Apply in temperatures 60 °F to 90 °F

Corro-Cote is also available in fast set or cold set versions.

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-Cote, 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

Mixing Ratio by Volume

Part A:Part B – 2:1

Mixing Ratio by Weight

2.84:1 Part B to Part A

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
Pot Life	1 Hour	45 Minutes	25 Minutes
Recoat Time - Floors	18 Hours	15 Hours	12 Hours
Recoat Time - Walls	12 Hours	9 Hours	6 Hours
Foot Traffic	18 Hours	15 Hours	12 Hours
Forklift Traffic		48 Hours	24 Hours
Full Chemical Resistance*		7 Days	5 Days

* Refer to Chemical Resistance Chart

Viscosity Testing

Viscosity (Using LV.DV1+ Viscometer)	Test Method @ 73°F/23°C
Part A – 9,000 – 11,000 cps	Using LV3 Spindle at 12 RPM
Part B – 450 – 600 cps	Using LV3 Spindle at 100 RPM
A & B Mixed – 1,300 – 1,500 cps	Using LV3 Spindle at 60 RPM

ASTM Testing

ASTM	TEST METHOD @ 73°F/23°C	Results
D695	Compressive Strength	7733 psi
D695	Percent Compressive Resiliency	47.8%
D695	Compressive Strength @ Yield	2991 psi
D695	Percent Compressive Resiliency @ Yield	7%
D790	Flexural Strength	2948 psi
D790	Flexural Modulus of Elasticity	7,58x 10 ⁵
D638	Tensile Strength	2092 psi
D638	Percent Tensile Elongation	13.2%
D4541	Bond Strength to Concrete	Failure in Concrete
C884	Thermal Compatibility to Concrete	Pass
D570	Absorption	Less Than .1%

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.

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