CORRO-SHIELD
SUPERIOR PERFORMANCE COATINGS

CORRO-SHIELD
Industrial Flooring and Walls

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Product Data Sheet

Multi-Purpose System

CORRO MULTI-PURPOSE EPOXY COTE REGULAR AND FAST SET (Ref. No. 851 and 851FS)

Product Description:
Corro Multi-Purpose Epoxy is a 100% solids, low VOC (VOC Content: 55.1 g/L per ASTM D-2369-01), solvent Free, 2 component product. It is a low viscosity, non-shrink formulation that is provided in an easy 2:1 mix ratio designed for many flooring applications. Corro Multi-Purpose Epoxy does not blush or water-spot. It can withstand thermal shock / steam cleaning (as per ASTM C-884). It is resistant to many acids and cleaning products and has good chemical resistance.

Applications:
Corro Multi-Purpose Epoxy Cote is a foundation system that can be used as a:

- Sealer for all decorative indoor flooring
- Self-leveling systems for thicker floors
- Troweled system for thicker floors
- Bedding/grout system
- Base for metallic color pigments
- Quartz flooring system
- Binder for all epoxy applications
- Clear protective Top Coat on dry concrete or with concrete modified overlays
- Patch/repair/joint filler
- Cove mix and cove primer

Color
Self-mixing pigment kits are available in; White, Yellow, Gray, Dark Gray, Red, Green, Brown, and Black. Clear is also available **Corro Multi-Purpose Epoxy Clear (Ref. No. 850)**

Special Features:

- Excellent long term clarity
- User friendly mix ratio 2:1 by volume
- Excellent impact and wear resistant
- 100% total solids clear epoxy
- U.S.D.A. and F.D.A. complaint
- Low viscosity
- Hi gloss non blush or water spot
- Excellent film appearance
- None shrink epoxy
- Low VOC near no odor (VOC Content: 55.1 g/L per ASTM D-2369-01)
- Available in Fast Set Formulation

Packaging
Corro Multi-Purpose Epoxy Cote is available in the following pre-measured pak sizes:

Standard Pak: 15 Gallon Pak
Two Pak: 30 Gallon Pak
Bulk Pak: 60 Gallon Pak
Drum Pak: 150 Gallon Pak

Priming
Corro Multi-Purpose Epoxy 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 – Corro 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 **Corro Multi-Purpose** in temperatures 35°F/2°C to 90°F/32°C
Apply **Corro Multi-Purpose Fast Set** in temperatures as low as 35°F/2°C

Mixing and Application
DO NOT MIX BY HAND
Apply with squeegee, roller or brush depending on the product purpose. Contact main office for Instructions

Clean Up
Corro Multi-Purpose Epoxy 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.

Density (lbs./gallon)

Regular Set	Fast Set
Part A: 9.40	Part A: 9.40
Part B: 8.50	Part B: 8.50

Mixing Ratio by Volume

Regular and Fast Set
Part A:Part B – 2:1

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	
	FS	Regular	FS	Regular	FS	Regular	FS
Pot Life	1 Hour	1 Hour	40 Mins.	45 Mins.	20 Mins.	25 Mins.	10 Mins.
Recoat Time - Floors	18 Hours	15 Hours	12 Hours	8 Hours	4 Hours	4 Hours	2 Hours
Recoat Time - Walls	12 Hours	12 Hours	9 Hours	8 Hours	4 Hours	4 Hours	2 Hours
Light Foot Traffic	18 Hours	15 Hours	12 Hours	8-10 Hours	4-5 Hours	4-5 Hours	2-3 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	1.73×10^5	1.26 x 105
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.