



CORRO-SHIELD
SUPERIOR PERFORMANCE COATINGS

CORRO-SHIELD Industrial Flooring and Walls

www.corroshield.com

Product Data Sheet (Rev. 09/16)

CORRO-SCREED AND FAST SET (Ref. No. 203/203FS)

Product Description

- 3-Part, 100%/Total Solids Trowelable Epoxy Coating System Consisting of:
 - Part A – Resin
 - Part B – Hardener
 - Part C – Blended Granite or Quartz Aggregate (Corro-Fill), plus Tint
- V.O.C. Compliant/Low Odor/Solvent Free
- Meets ASTM C-884 Thermal Compatibility with Concrete
- Excellent Abrasion Resistance
- Easy to Clean Hygienic Surface
- Resin Rich Surface Helps to Resist Bacterial Growth
- User Friendly Mix Ratio of 2:1 by Volume Plus Aggregate
- Finished Surface is “tight”
- Apply at Various Thicknesses
- Aggregate Allows Feathering
- Smooth Rolling Slabs
- Can be Used Indoors or Outdoors

Special Attributes

- U.S.D.A. and C.F.I.A. Compliant
- Excellent Adhesion to Clean, Sound, Damp Concrete
- Built in Resiliency for Thermal Shock and Impact Resistance
- Excellent Adhesion to 24 Hour Old Concrete by Priming with **Corro-Cure LV FS (Ref. No. 602)**
- Good Chemical Resistance - Resistant to Many Acids, Solvents and Cleaning Solutions. (Refer to Chemical Resistance Chart)
- Easy to Trowel
- Water Wipeable
- Hygienic, Easy to Clean Surface

Colors

Usually clear but can be pigmented to the following colors: Black, White, Gray, Dark Gray, Brick Red, Beige, Green and Brown. Special colors are available upon request, for an additional charge.

Common Uses

- Use for Deep Fill
- Used to Create Slope/Pitch
- Create Curbs, Dams and Bumpers
- Pitch/Fill Under Corro-Flor for Heavy Traffic
- Repairing of Highly Eroded Concrete Floors
- Where Good Chemical Resistance is Required
- Excellent Abrasion Resistance

Packaging

Corro-Screed is available in the following pre-measured pak sizes:

- Standard Pak -Pre-measured 3.75 Gallon Pak – 24 SF @ ¼”
- Ten Pak -10 x 3.75 Gallon Pre-measured Paks – 240 SF @ ¼”
- Drum Pak -690 Gallons in Bulk – 4416 SF @ ¼”

Coverage will vary depending on surface texture.

Priming

Corro-Screed requires a primer, we recommend first priming with:

- 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

Corro-Screed is available in either regular or fast set versions:

Corro-Screed Regular Set – For temperatures 60°F/16°C and higher

Corro-Screed FS (Fast Set) - For temperatures as low as 35°F/2°C

See Set Time Chart on back page for various setting times.

Mixing and Application

DO NOT MIX BY HAND

- Easy to Smooth with Steel Trowel
- Can be Power Troweled **using a light electric power troweled machine**
- **We highly recommend** to use our own fillers for ultimate results

Detailed mixing and application instructions are available upon request.

Clean Up

Corro-Screed 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.

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

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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.

Desity (lbs/gallon):

Part A: 9.56
Part B: 8.48
Mixed A & B: 9.2

Mixing Ratio by Volume

Part A:Part B – 2:1
A & B Mixed:Corro-Fill: 1:7

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 | |
| Product | Regular | Fast Set | Regular | Fast Set | Regular | Fast Set |
| Pot Life | 1 Hours | 40 Minutes | 45 Minutes | 20 Minutes | 25 Minutes | 15 Minutes |
| Recoat Time | 18 Hours | 12 Hours | 15 Hours | 4 Hours | 12 Hours | 2 Hours |
| Foot Traffic | 18 Hours | 16 Hours | 15 Hours | 4 Hours | 12 Hours | 2 Hours |
| Forklift Traffic | 72 Hours | 36 Hours | 48 Hours | 24 Hours | 24 Hours | 12 Hours |
| Full Chemical Resistance* | 9 Days | 9 Days | 7 Days | 7 Days | 5 Days | 5 Days |

* Refer to Chemical Resistance Chart

| ASTM TESTS | | | |
|------------|--|------------------------|------------------------|
| ASTM | TEST METHOD | Liquids Only | Filled System |
| C579 | Compressive Strength | | 5664 psi |
| C579 | Percent Compressive Resiliency <i>Ratio of Force to % Resiliency</i> | | 7.5% 755:1 |
| C579 | Compressive Strength @ Yield | | 3733 psi |
| C579 | Percent Compressive Resiliency @ Yield | | 3.7% |
| D695 | Compressive Strength | 7373 psi | |
| D695 | Percent Compressive Resiliency <i>Ratio of Force to % Resiliency</i> | 47.18% 156:1 | |
| D695 | Compressive Strength @ Yield | 3319 psi | |
| D695 | Percent Compressive Resiliency @ Yield | 9.66% | |
| C580 | Flexural Strength | | 3730 psi |
| C580 | Flexural Modulus of Elasticity | | 8.65 x 10 ⁵ |
| D790 | Flexural Strength | 4800 psi | |
| D790 | Flexural Modulus of Elasticity | 1.73 x 10 ⁵ | |
| C307 | Tensile Strength | | 2016 psi |
| C307 | Percent Tensile Elongation <i>Ratio of Tensile Stress to % Elongation</i> | | 6.16% 327:1 |
| D638 | Tensile Strength | 1993 psi | |
| D638 | Percent Tensile Elongation Ratio of Tensile Stress to % Elongation | 18% 111:1 | |
| 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 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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