



CORRO-SHIELD
SUPERIOR PERFORMANCE COATINGS

CORRO-SHIELD
Industrial Flooring and Walls

www.corroshield.com

Product Data Sheet (Rev. 09/16)

CORRO-AQUA-CURE Primer (Ref. No. 612)

Product Description

- Pigmented, Two-Part Water Based Epoxy Moisture Remediation Primer for Concrete
- Formulated to reduce moisture vapor created in either green or old concrete
- Can be applied at any time after 24 hours of the concrete being poured, **eliminating the traditional 28 day cure period** before applying an epoxy, vinyl tiles, sheet goods or wood flooring system.
- **Corro Aqua-Cure** will reduce a moisture vapor emission rate of 15 pounds to approximately 3 pounds as per the Calcium Chloride Test or RH Moisture Meter Test (ASTM F-2170). **For rates greater than 15 and up to 25 pounds use Corro-Cure LV FS (Ref. No. 602)**
- V.O.C. Compliant/Low Odor/Solvent Free (VOC's = 87.37 g/L per ASTM D-2369-01)
- Meets ASTM C-884 - Compatibility with Concrete
- Moisture Remediation Primer
- Available as a Bedding Grout for Acid Brick or Ceramic Tiles to Green Concrete
- Water Wipe-up
- Semi-Gloss Appearance

Special Attributes

- Reduces Alkalinity Down to a pH of 9
- U.S.D.A./C.F.I.A Compliant
- Long Pot Life
- Excellent Wear Resistance as Stand Alone Sealer/Coating
- Excellent Adhesion to Clean, Sound, Damp or Dry Concrete
- Good Chemical Resistance
- **Eliminates the 28-Day Cure Period**
- Moisture Barrier for Wood, Tile, Drywall/ Gyprock and Carpeting
- **Can be applied at 100%RH**
- **Application up to pH of 14**

Colors

Gray, Dark Gray, Green and Neutral. Special colors available upon request

Common Uses

- Moisture Remediation Primer for Concrete
- Primer for Adhesives, Wood, Tile, and Sheet Goods
- As a Sealer to Concrete Where a Dust-Free Environment is Essential (Requires 2 Coats)
- Primer for Epoxy Flooring and Walls
- Primer to Help Eliminate Outgassing
- Coating for Concrete to Walls, Floors and Ceilings
- Excellent as a Sealer for High Traffic Areas (Requires 2 Coats)
- Primer and/or Bedding Grout for Acid Brick or Ceramic Tiles
- Sealer to Help Prevent Oil and Grease From Penetrating into the Concrete (Requires 2 Coats)
- **As a "Curing" Primer for Green Concrete**
- As a Stand Alone Sealer/Topcoat

Packaging

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

- 1 Gallon Pak
- 2 ½ Gallon Pak
- 4 Gallon Pak

As a remediation primer (for emission rates of 15 pounds and under), the coverage rate is 150 SF per gallon. When used as a stand-alone primer/topcoat, the coverage will be approximately 300 SF per gallon.

The above coverage is based on smooth concrete or a surface with limited porosity.

Coverage will vary depending on surface texture.

Moisture Vapor Emission Testing

Prior to application, test using the Anhydrous Calcium Chloride test per ASTM F 1869-04 or RH Moisture Meter Test (ASTM F-2170). **If the moisture vapor emissions rate is greater than 15 pounds per 1000 SF/24 hours, refer to Corro-Cure LVFS (Ref. No.602) product data sheet.**

Mixing and Application

DO NOT MIX BY HAND

Apply with squeegee, roller or spray gun.

- Detailed mixing and application instructions are available upon request. **Do not apply over curing compounds, densifiers and hardeners and do not allow the product to puddle.**

Application Temperatures

Can be applied at temperatures ranging from 40°F/5°C to 90°F/32°C.

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Clean Up

Corro Aqua-Cure, 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.

Mix Ratio by Volume (Gray)

4:1 Part B to Part A

Weight Per Mixed Gallon (Gray)

11.65 pounds

Mixing Ratio by Weight (Gray)

4.34: 1 Part B to Part A

| | |
|---------------------------|-------|
| | Color |
| Part A – 2.28 pounds | White |
| Part B – 9.36 pounds | Black |
| A & B Mixed: 11.64 pounds | |

% Solids

44.58% by Volume

67.77% by Weight

Technical Assistance

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

NOTE: DO NOT APPLY OVER CURING COMPOUNDS, DENSIFIERS OR HARDENERS.

| SET TIMES | | | |
|-------------------------------------|------------------|-------------------|------------------|
| Set Times (Slab Temperature) | 40°F/5°C. | 73°F/23°C. | 90°F/32°C |
| Recommended Product | | | |
| Pot Life | 90 Minutes | 1 Hour | 45 Minutes |
| Recoat Time - Floors | 6 Hours | 3 Hours | 2 Hours |
| Recoat Time – Walls** | 6 Hours | 3 Hours | 2 Hours |
| Foot Traffic | 7-8 Hours | 4-5 Hours | 2-4 Hours |
| Forklift Traffic | 72 Hours | 48 Hours | 24 Hours |
| Full Chemical Resistance* | 9 Days | 7 Days | 5 Days |

* Refer to Chemical Resistance Chart

** If the floor is still tacky, you need to wear spiked shoes to apply the recoat.

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.