

## Product Data Sheet:

Revision Date: 02/08/19

Technical Service  
(888)780-3229 (Option 2)



# Corro Cure LV FS (Fast Set)

## Product Description

Two-Part high solids epoxy moisture mitigation primer formulated to reduce moisture vapor drive present in old concrete.

Can be applied on green concrete after initial set, reducing the traditional 28-day cure period before topping.

## Colors

- Unpigmented (clear)
- Available in Corroshield Standard colors.
- Semi-Gloss Appearance

## Packaging

- 1 Gallon Components
- 5 Gallon Components
- 3 Gallon Kit (A/B)

## Mix Ratio by Volume

- 2:1 Part A to Part B

## Coverage

(Theoretical - texture will vary coverage)

**Moisture Mitigation Primer:**  
100 ft<sup>2</sup>/Gal (2.45 m<sup>2</sup>/L) (0.46 kg/m<sup>2</sup>)

**Standard Primer:**  
160 ft<sup>2</sup>/Gal (3.93 m<sup>2</sup>/L) (0.29 kg/m<sup>2</sup>)

## Mixed Weight (unpigmented)

**Gallon - 9.40 pounds (4.26 kgs.)**

- Part A - 6.48 pounds (2.94 kgs.)
- Part B - 2.92 pounds (1.32 kgs.)

**Liter - 1.13 kgs. (2.48 Pounds)**

- Part A - 0.78 kgs. (1.71 Pounds)
- Part B - 0.35 kgs. (0.77 Pounds)

## Common Uses

- Moisture Mitigation Primer for Concrete (MVT 15 to 25 Pounds)
- Primer for Adhesives, Wood, Tile, and Sheet Goods
- Primer for Corroshield Flooring Systems
- Primer to Help Reduce Outgassing
- As a "Curing" Primer for Green Concrete

## Features and Benefits

Features	Benefits
Reduce a moisture vapor transmission (MVT) rate of 25 pounds per Calcium Chloride Test	Ideal Moisture Barrier for Wood, Tile, and Carpeting Adhesives
U.S.D.A./C.F.I.A Compliant V.O.C. Compliant - 58.84 g/l	For use in regulated areas
Excellent Adhesion to Clean, Sound, Damp or Dry Concrete	Pull-Off Adhesion Strength of Coatings on Concrete (ASTM D-7234) Failure within Concrete
Fast Recoat Times	Accelerates project installation
Applied to "Green" Concrete	Reduces the 28-Day Cure Period
Meets ASTM C-884 - Compatibility with Concrete	Will maintain bond to concrete through temperature changes
Application up to pH of 14 and will reduce surface alkalinity to pH of 9	Can be applied over "Green" Concrete and will ready the surface for the application of adhesives or coatings
Can be applied at high humidity	Tolerant to damp / high humidity jobsite conditions



## Set Times

Set Times (Slab Temperature)	35°F. (2°C.)	73°F. (23°C.)	90°F. (32°C.)
Pot Life	50 Minutes	30 Minutes	15 Minutes
Recoat Time	12-16 Hours	4-5 Hours	2-3 Hours
Foot Traffic	24-32 Hours	8-10 Hours	4-6 Hours
Application of Adhesive	9 days	7 days	5 days

*All times @~75% RH. Level of humidity will impact cure time. Do not exceed 48-hours when recoating – See Application.*

## Moisture Vapor Emission Testing

Prior to application, test using the Anhydrous Calcium Chloride test per ASTM F 1869-04

## Application

**Do not mix by hand**

**Obtain a copy of Corroshield Applicator Manual for instructions on how to prepare, mix and apply the material.**

**The following is only an outline of considerations:**

- Existing Concrete – Prepare the concrete to an ICRI CSP3.
- Ensure the film is pinhole free before applying topcoat.
- Green Concrete – Apply after initial set (within ~24 hours) with a stiff bristle broom finish. The material must be applied before a laitance layer is formed. If time exceeds 24 hours, then some level of surface preparation will be required to remove any laitance and create a profile.
- Green Concrete – Concrete must be finished with a wood float. A wood float opens the top of the slab to allow bleed water out, whereas a magnesium float seals the slab.
- Do not apply over curing compounds, densifiers and hardeners

- Do not allow the product to puddle.
- Do not exceed 48 hours before recoating.
- If exceeding 48 hours on the recoat window, lightly abrade the material to achieve a mechanical bond.
- For moisture vapor emissions greater than 25 pounds, please consult Technical Service for additional information.
- We do not recommend broadcasting when the system is being primarily used as a moisture vapor mitigation system.
- Over broadcasting into the system will adversely limit the system's ability to mitigate MVT.
- Call Corroshield Technical Service if broadcasting is being considered.
- Conducting moisture vapor emission testing per ASTM F 1869-04 is recommended prior to application to establish a baseline.

## Application Temperatures

Can be applied to temperatures ranging from 35°F (2°C) to 90°F (32.22°C).

## Limitations

- Not recommended as a topcoat
- Material may amber when exposed to UV
- Do not exceeded 48-hour recoat window
- Do not extend using silica flour or other fillers
- Do not use viscosity reducers

## Clean Up

Corro-Cure LV FS, while still wet, can be cleaned up with low odor mineral spirits, 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.



## Technical Assistance

If you have any questions regarding this product, please call (888)780-3229 (Option 2) for further information. Technical Service Line is “on-call” 24/7 to assist with jobsite applications.

The latest version of the datasheet can be obtained at our website: [www.corroshield.com](http://www.corroshield.com).

**Note: do not apply over curing compounds, densifiers or hardeners.**

**Corroshield Industries Inc.**  
2575 United Lane  
Elk Grove Village, IL 60007

**Corroshield Industries**  
4-115 First St. Suite 532  
Collingwood, Ont L9Y4W3

**DISCLAIMER:** This information is provided to assist with the installation of Corroshield Materials and is of a general nature to assist with a broad range of applications. The technical information and application advice provided is based on Corroshield’s current knowledge and experience. Corroshield reserves the right to make changes should additional information become available. No assumption should be made as to either a product’s or application technique’s suitability for a particular installation. Call Corroshield Technical Service for consultation regarding any specific application. As installations involve many factors beyond our control, Corroshield disclaims all warranties of fitness for a particular use and shall not be responsible for consequential damages (direct or indirect) of any kind.

**LIMITED WARRANTY:** Corroshield makes reasonable effort to apply exacting standards both to manufacturing and the information provided. All goods of its manufacture by its employees shall be performed in a workmanlike manner. Corroshield warrants products to be of good quality and will replace or refund the purchase price of any products proved defective at our discretion. Any claim regarding product defect must be received in writing within one year from the date of shipment. Satisfactory results depend upon many factors beyond our control. Therefore, Corroshield’s sole obligation under this warranty shall be to replace any material which its examination discloses to be a result of defective manufacturing. **CORROSHIELD MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR USE OR MERCHANTABILITY** and Corroshield shall have no other liability for consequential damages (direct or indirect) costs **INCLUDING BUT NOT LIMITED TO LOST PROFITS, DOWN TIME, DAMAGES TO PROPERTY OF THE PURCHASER OR OTHER PERSONS.** Any change in this warranty or printed recommendations concerning our products must bear the signature of the Corroshield Technical Manager.

