603 Corro Cure LV XFS

Product Description

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

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^2/Gal (2.45 m^2/L) (0.46 kg/m^2)

Standard Primer:
160 ft^2/Gal (3.93 m^2/L) (0.29 kg/m^2)

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
Extra Fast rate of cure	Ideal for cool applications temperatures from 35°F (2°C) to 75°F (24°C).
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	30-40 Minutes	15-20 Minutes	N/R
Recoat Time	8-12 Hours	3-4 Hours	N/R
Foot Traffic	12-16 Hours	5-6 Hours	N/R
Application of Adhesive	9 days	7 days	N/R

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 CSP 3.
- 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 75°F (24°C). **Use Corro Cure 2504 for application temperatures greater than 75°F (24°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 2503, 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.

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

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