OVERVIEW

FC Primer is a two-component, fast curing, high solids epoxy primer for use on concrete surfaces.

APPLICATION

Concrete Surface Preparation - All dirt, foreign contaminants, oil, and laitance must be removed to obtain proper adhesion to the substrate. A moisture test should be performed to determine that the concrete is dry; this can be done by placing a 18" x 18" (46cm x 46cm) polyethene sheet on the substrate and taping down the edge. If after at least 16 hours, the substrate is still dry below the sheet and no condensation is present, then the substrate is dry enough to start coating (ASTM D4263). The polyethylene sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause debonding. (See Dura-Walk 2K Application Guidelines for more information.)

Product Mixing - Side A and side B should be thoroughly agitated prior to mixing to ensure a homogeneous material. FC Primer must always be mixed with two (2) parts A and one (1) part B (part A: part B = 2:1). The combined components should be thoroughly mixed for at least three minutes.

Primer Application - Use a flat plate squeegee or heavy-duty nap roller when FC Primer is applied on concrete. If blow holes form as the primer cures, make a second pass. Allow 5-10 minutes between passes. Apply primer at a rate of 300 sf/gal (coverage rates may vary depending on surface profile). Do NOT apply to surfaces which are below 50˚F (10°C) or above 110˚F (43°C).

FC Primer must be completely cured prior to overcoating (approx. 2-3 hours at 75°F or 23.9°C). Do not leave primer exposed without overcoating for more than 24 hours.

STORAGE

Store product in an area so as to bring it to room temperature before using. Continuous storage should be between 60°F to 80°F (15.6°C to 26.7°C). Low temperatures or temperature fluctuations may cause crystallization and varying coverage rates.

PRECAUTIONS

- Surface temperatures must be at least 40°F (4.44°C) and rising and the ambient temperatures six Fahrenheit degrees or three Celsius degrees above the dew point and rising.
- Do not proceed with application if precipitation is imminent.
- Use with adequate ventilation.
- Keep out of the reach of children.
- Refer to the SDS for more information.
- **Once Parts A and B are thoroughly mixed, the material should be used immediately. Mixed epoxy, especially in large volumes, can generate heat rapidly, potentially leading to accelerated curing and reduced working time.**

Traffic Coatings
FC Primer | Technical Data Sheet

Technical Data	FC Primer
Flash Point	Above 200˚F (93˚C)
VOC (mixed) (ASTM D 2369)	109 g/L
Solids (mixed) Weight (ASTM D 2369) Volume (ASTM D 2697)	 90% 85% (mixed)
Shelf Life	12 months in unopened container
Working Time **75˚F (24˚C)**	15-20 minutes
Color Part A Part B Combined	 Clear Clear Yellow Clear Pale Yellow
Coverage	300 sf/gal
Packaging	2 parts A to 1 part B 3 - 1 gallon pails (3.7 l) 2 parts A to 1 part B 3 - 5 gallon pails (18.9 l) 2 parts A to 1 part B

For specific recommendations and coverage rates, please contact your local Garland Representative.

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