CFS-CTR SERIES

TECHNICAL DATA SHEET
LOW VISCOSITY EPOXY PRIMER

PRODUCT DESCRIPTION: CFS-CTR Low Viscosity Epoxy Primer is a solvent free, two component, low viscosity epoxy primer. Developed as a primer for the CFS-CTR Epoxy. This material is clear and can be pigmented with our CFS-CTR Epoxy Pigments.

ADVANTAGES: Excellent adhesion properties, penetrates deep into the open pores of concrete to promote excellent bond, contains no solvent with low VOC content allowing for interior application without harmful odor.

SOLIDS BY WEIGHT: 100%
SOLIDS BY VOLUME: 100%
VOLATILE ORGANIC CONTENT: Part A 30, Part B 15, Mix 45
AVAILABLE COLORS: Part A upon request, Part B clear to amber, Mix upon request
PACKAGING INFORMATION: 3 gallon
MIX RATIO: By volume A:B = 2:1 ratio
SHELF LIFE: 1 year original unopened factory sealed containers. Keep away from extreme temperatures and moisture. Keep out of direct sunlight and away from fire hazards.
ABRASION RESISTANCE:
ASTM D4060 taber abraser CS-17 calibrase wheel with 1000 gram total load and 1000 cycles = 0.10 g
VISCOSITY: Part A: 1000-1200 clear and 1200-1400 colors, Part B: 125-225 clear and 122-225 colors, Mix: 900-1100 clear and colors
POT LIFE : +/- 15 mins @ 77 degrees F

WORKING TIME: 40-45 minutes @ 77 degrees F
HARDNESS (SHORE D) ASTM D2240: 85-90
TENSILE STRENGTH ASTM D638: 6500
COMPRESSIVE STRENGTH (PSI MPA) ASTM D695: 11,500
ELONGATION ASTM D638: 6.7
RECOMMENDED THICKNESS: 10 mils
MILEAGE PER GALLON (10 MILS THICK): 166 sq.ft.
CURE SCHEDULE:

Substrate Temp.	Foot Traffic	Light Traffic	Full Cure
50 degrees F	30 hours	3 days	10 days
68 degrees F	24 hours	3 days	7 days
86 degrees F	16 hours	2 days	5 days

RECOAT:

Substrate Temp.	Minimum	Maximum
68 degrees F	12 hours	24 hours
86 degrees F	6 hours	24 hours

LIMITATIONS:

*Minimum/maximum temperature of substrate 40-86 degrees F.
*Maximum relative humidity during application and curing 85%.
*Substrate temperature must be 40 degrees F.
*Humidity content of substrate must be <4% when coating is applied.
*Do not apply on porous surfaces where a transfer of humidity may occur during application.
*Avoid exterior use on substrates at ground level.
*Protect from humidity, condensation, and contact with water during the initial 24 hour curing period.
*Surface may discolor in areas exposed to regular UV light.

CFS-CTR SERIES

INSTALLATION INSTRUCTIONS

Preparation:

New concrete should be allowed to cure for a minimum of 30 days.
Concrete surface must be cleaned and mechanically prepared by shotblasting, and/ or diamond grinding. All oils, sealers, curing compounds, waxes etc. must be removed prior to application. Do not apply onto wet substrates. Calcium Chloride tests are recommended prior to application.

Mixing:

Materials should be preconditioned to a minimum of 50 degrees F prior to use. Thoroughly mix each component separately using paddle mixers and a drill for a minimum of 2 minutes to place the solids content evenly in suspension. Pour component B into component A (**if adding pigment, pour 1qt. CTR Pigment per 3 Gallon Kit**) using the proper mixing ratio of 2A:1B by volume. Mix both components for at least 3 minutes using a drill at low revolution (300-400 rpm) to reduce trapping of air. While mixing, scrape bottom and walls of container at least once to ensure a consistent mix. Only prepare quantities that may be applied during pot life of mixture.

Application:

Apply mixed product on the prepared surface tightly (thin film) using a squeegee and backroll to obtain a uniform coating. Avoid creating puddles.

Cleaning:

Clean all tools and materials with xylene or acetone. Wash hands and skin carefully with warm soapy water. Once the product has hardened, it may only be removed through mechanical means.