CFS-CTR SERIES

CONCRETE FLOOR SOLUTIONS

TECHNICAL DATA SHEET
POLYUREA COATING

PRODUCT DESCRIPTION: CFS-CTR Polyurea Coating is a two component, 100% solids polyurea coating designed to be used as a base coat for a variety of coating systems. Commonly used as a "one day floor" basecoat. It provides outstanding adhesion on a large number of substrates and performs well in a wide range of temperature conditions. This product can be pigmented with CTR-Pigments, is NOT UV stable and is to be used under **full flake** coverage interior only.

ADVANTAGES: Displays moderate cure times with excellent adhesion, easy to mix 2:1 ratio, emits virtually no odors and can be applied indoors, excellent adhesion properties allowing application on other firm and hard coating as well as broadcasts of decorative aggregate, long open times allow for self leveling capabilities and increased hiding power as well as broadcasts of decorative aggregate, long pot life (30-40 mins), VOC compliant in all 50 states.

PRIMARY APPLICATIONS: Typically used as a base coat for one day floor systems +/- 166 sq.ft. per gallon.. VirtuallBathrooms, locker rooms, car washes or wash bays, industrial shop floors, maintenance facilities. Use as base coat on concrete, wood, block. Interior use only.

SOLIDS BY WEIGHT: 100%
SOLIDS BY VOLUME: 100%
VOLATILE ORGANIC CONTENT: 0
AVAILABLE COLORS: Part A upon request, Part B light yellow, Mix upon request
PACKAGING INFORMATION: 3 gallon
MIX RATIO: By volume A:B = 2:1, By weight A:B = 100:63
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.
VISCOSITY: Part A: 700-900, Part B: 150-250, Mix: 500-700

POT LIFE : 30 minutes
WORKING TIME: 15-20 minutes @ 77 degrees F
HARDNESS (SHORE D) ASTM D2240: 45-50
CURE SCHEDULE:

Substrate Temp.	Foot Traffic	Light Traffic	Full Cure
50 degrees F	2 days	5 days	10 days
68 degrees F	1 day	3 days	7 days
86 degrees F	16 hours	2 days	5 days

RECOAT:

Substrate Temp.	Minimum	Maximum
68 degrees F	2-3 hours	24 hours
86 degrees F	2 hours	24 hours

LIMITATIONS:

*Minimum/maximum temperature of substrate 50-86 degrees F.
*Maximum relative humidity during application and curing 85%.
*Substrate temperature must be 5.5 degrees F above dew point measured.
*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.
*Protect from humidity, condensation, and contact with water during the initial 24 hour curing period.
*This product is NOT UV stable. To be used indoors only under full flake coverage.

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INSTALLATION INSTRUCTIONS

Surface Preparation:
Concrete surface must be cleaned. Diamond grind with 30 grit or coarse, is highly recommended to remove surface contaminants. Any oils and contaminates must be removed prior to product application. Do not apply to wet substrates.

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 using a squeegee and back roll with ¼" roller to obtain a uniform coating. Do not puddle.

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.