TECHNICAL DATA SHEET
CFS-HIGH PERFORMANCE EPOXY TOP COAT

PRODUCT DESCRIPTION: CFS-High Performance Epoxy Top Coat is a two component 97% solids epoxy colored coating designed for applications where a high build chemical resistant floor and extreme durability is needed.

RECOMMENDED FOR: Recommended for a high build top coat on concrete or masonry.

SOLIDS BY WEIGHT: 97% (+/-1%)
SOLIDS BY VOLUME: 96% (+/-1%)
COLORS AVAILABLE: Amber clear
VOLATILE ORGANIC CONTENT: Less than 34 g/l
STANDARD COLORS: White, off white, light gray, medium gray, tile red, beige
RECOMMENDED FILM THICKNESS: 10-30 mils
COVERAGE PER GALLON:
166 sq.ft. @10mils - 83 sq.ft. @ 20mils - 55 sq.ft. @ 30mils
PACKAGING INFORMATION:
1 quart, 1-½ gallon, 3 gallon, 15 gallon
MIX RATIO: (1 gallon) part A to (.50 gallons) part B (volumes approx.) (standard colors)
SHELF LIFE: 1 year in unopened containers
FINISH CHARACTERISTICS: Gloss (80-105 at 60 degrees @ glossmeter)
ABRASION RESISTANCE: Taber abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 19 mg loss
ADHESION: 420 psi @ elcometer (concrete failure, no delamination)
VISCOSITY: Mixed = 1500-1700 cps (typical, most colors)
DOT CLASSIFICATIONS: Part A "Not Regulated"
Part B (CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII"
FLEXURAL STRENGTH: 11,700 psi @ ASTM D790
COMPRESSIVE STRENGTH: 13,600 psi @ ASTM D695
TENSILE STRENGTH: 7,900 psi @ ASTM D638
GARDNER VARIABLE IMPACTOR: 40 inch pounds direct - passed
ULTIMATE ELONGATION: 1.7%

HARDNESS: Shore D = 90
CURE SCHEDULE: (70 Degrees F)

Pot life - 1 ½ gallon volume	23-33 minutes
Tack free (dry to touch)	5-7 hours
Recoat or Topcoat	8-14 hours
Light foot traffic	14-18 hours
Full cure (heavy traffic)	2-7 days

APPLICATION TEMPERATURE: 50-90 degrees F with relative humidity below 85% for best results.

CHEMICAL RESISTANCE:

REAGENT	RATING
Xylene	C
1,1,1 trichloroethane	B
MEK	A
Methanol	A
Ethyl alcohol	C
Skydrol	B
10% sodium hydroxide	E
50% sodium hydroxide	E
10% sulfuric acid	C
70% sulfuric acid	A
10% HC1 (aq)	C
5% acetic acid	B

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion. NOTE: extensive chemical resistance information is available through your sales representative.
PRIMER: CFS-Low Viscosity Epoxy Primer
TOPCOAT: No top coat necessary.

LIMITATIONS:

*Color stability or gloss may be affected by environmental conditions such as high humidity or chemical Exposure.
*Colors may vary from batch to batch. Therefore, use only product from the same batch for an entire job.
*This product is not UV color stable and will discolor when exposed to UV light or some other forms as lighting such as sodium vapor lights.
*This product should not be topcoated.
*When applying coatings that are light in color or bright, additional coats of this product or an appropriately colored primer may be necessary.
*Substrate temperature must be 5 degrees F above dew point.
*For best results, apply with a ¼" nap roller.
*All new concrete must be cured for at least 30 days prior to application.
*Apply CFS-Low Viscosity Epoxy Primer before using this product.
*Improper mixing may result in product failure.
*Physical properties are typical values and not specifications.