TECHNICAL DATA SHEET
CFS-INTERMEDIATE COAT

PRODUCT DESCRIPTION: CFS-Intermediate Coat is a two component 100% (+/- 1%) solids epoxy colored coating designed for applications where high build colorfast impact resistant floor is needed.
RECOMMENDED FOR: Recommended for a high build intermediate coat, with optional flakes, on concrete or masonry. Product is suitable in many chemical exposure environments.

SOLIDS BY WEIGHT: 100% (+/- 1%)
SOLIDS BY VOLUME: 100% (+/- 1%)
VOLATILE ORGANIC CONTENT: Less than 2 g/l
STANDARD COLORS:
White, off white, light gray, medium gray, tile red, beige
RECOMMENDED FILM THICKNESS: 10-30 mils
COVERAGE PER GALLON:
53-166 sq. ft. per gallon @ 10-30 mils
PACKAGING INFORMATION:
3 gallon (2.9 – 3.0 gallons net approximately) 15 gallon (14 – 15 gallons net approximately)
MIX RATIO: 12 pounds (1 gallon) part A to 4.15 pounds (.50 gallons) part B (volumes approx.) (standard colors)
SHELF LIFE: 1 year in unopened containers
FINISH CHARACTERISTICS:
Gloss (70-95 at 60 degrees @ glossmeter)
ABRASION RESISTANCE: Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 32 mg loss
FLEXURAL STRENGTH: 5,400 psi @ ASTM D790
COMPRESSIVE STRENGTH:
9,100 psi @ ASTM D695 – ½" by ½" bars
ADHESION:
450 psi @ elcometer (concrete failure, no delamination)
VISCOSITY:
Mixed = 1300-2300 cps (typical, most colors)
DOT CLASSIFICATIONS:
Part A "not regulated" Part B "CORROSIVE LIQUID N.O.S., 8, UNI1760, PGIII"
TENSILE STRENGTH: 4,800 psi @ ASTM D638
ULTIMATE ELONGATION: 3.1%

GARDNER VARIABLE IMPACTOR:
50 inch pounds direct – passed
HARDNESS: Shore D = 80
CURE SCHEDULE: (70 DEGREES F)

Pot life – 1 ½ gallon volume	30-50 minutes
Tack free (dry to touch)	5-8 hours
Recoat or topcoat	8-12 hours
Light foot traffic	12-14 hours
Full cure (heavy traffic)	2-7 days

APPLICATION TEMPERATURE: 60-90 degrees F with relative humidity below 85%

CHEMICAL RESISTANCE:

REAGENT	RATING
Xylene	C
Trichloroethylene	B
Methanol	A
Ethyl alcohol	B
Skydrol	B
10% sodium hydroxide	E
50% sodium hydroxide	D
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: Recommended CFS-Low Viscosity Primer or other suitable primer coats.
TOPCOAT: Optional – CFS-urethanes can be used for increased chemical resistance or increased UV stability.

LIMITATIONS:

*Color stability or gloss may be affected by environmental conditions such as high humidity, low temperatures, chemical exposure or exposure to certain types of lighting such as sodium vapor lights.
*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 may discolor when exposed to UV lighting. Otherwise, the color stability of this product is good. Therefore, a topcoat CFS-High Performance Urethane is optional and dependent on the environment.
*Light or bright colors may require a suitable primer or topcoat to achieve a satisfactory hide.Substrate temperature must be 5°F above dew point
*All new concrete must be cured for at least 30 days prior to application.
*Apply a suitable primer before using this product as a coating.
*Physical properties are typical values and not specifications.