TECHNICAL DATA SHEET
CFS-HIGH SOLIDS URETHANE

PRODUCT DESCRIPTION: CFS-High Solids Urethane is a two component aliphatic urethane floor finish that exhibits excellent characteristics for abrasion resistance, chemical resistance, flexibility, weathering and UV stability.
RECOMMENDED FOR: Recommended for auto service centers, warehouses, computer rooms, laboratories, aircraft hangers, cafeterias and some chemical exposure areas.

SOLIDS BY WEIGHT: Mixed = 89% solids
SOLIDS BY VOLUME: 87% solids (+/- 2%)
VOLATILE ORGANIC CONTENT: Less than 95 g/l
(**STANDARD COLORS:** Opaque clear/amber clear
COVERAGE PER GALLON KIT: (CLEAR) 600 sq. ft.
PACKAGING INFORMATION: 1 gallon (1 pint part A) with (.70 gallons part B)
MIX RATIO: 1.08# part A with 6.45# part B
FINISH CHARACTERISTICS: Gloss (typical gloss is 60-70 @ 60 degrees)
SHELF LIFE: 6 months in unopened containers
ABRASION RESISTANCE: Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 15-20 mg loss
IMPACT RESISTANCE: Gardner impact = 160 in lb (passed)
ADHESION: On a properly prepared epoxy basecoat, the adhesion should exceed 300 psi @ elcometer (concrete failure, no delamination)
FLEXIBILITY: No cracks on a ⅛" mandrel
VISCOSITY: Mixed liquids A/B = 1000-2000 cps (typical)
DOT CLASSIFICATIONS: Part A "NA1993, COMBUSTIBLE LIQUID N.O.S., 3, PG III" Part B "ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S., UN3082, 9, PGIII"

CURE SCHEDULE: (70 DEGREES F)

Pot life - 1 gal volume	1-2 hours
Tack free (dry to touch)	3-6 hours
Recoat or topcoat	6-10 hours
Light foot traffic	14-24 hours
Full cure (heavy traffic)	3-5 days

APPLICATION TEMPERATURE: 50-90 degrees F with relative humidity between 50-90%

CHEMICAL RESISTANCE:

REAGENT	RATING
Acetic acid 5%	C
Mek	B
Gasoline	D
50% sodium hydroxide	D
10% sulfuric	D
10% hydrochloric acid	D
20% nitric acid	C
Ethylene glycol	D

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: Apply on top of epoxy as a top coat.
TOPCOAT: We do not recommend multiple coats of this product or other topcoats

LIMITATIONS:

*Colors or gloss may be affected by humidity, temperatures, chemical exposure, application thickness and exposure to lighting such as sodium vapor lights. For best results, use a high quality ¼" nap roller.
*Slab on grade requires moisture barrier.
*Substrate temperature must be 5 degrees F above dew point.
*All new concrete must be cured for at least 30 days.
*Physical properties are typical values and not specifications.
*Tire contact may cause staining or discoloration.
*Colors may vary from batch to batch. Therefore, use only product from the same batches for an entire job.
*Do not use if relative humidity is below 25%.
*Material has to be applied at the recommended thickness per gallon uniformly for proper appearance and development of physical properties.
*The epoxy basecoat must be abraded/de-glossed for proper adhesion.