TECHNICAL DATA SHEET
CFS-HIGH SOLIDS HIGH WEAR URETHANE

PRODUCT DESCRIPTION: CFS-High Solids High Wear Urethane is a three 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 = 93% solids
SOLIDS BY VOLUME: 92% solids (+/- 2%)
VOLATILE ORGANIC CONTENT: Less than 95 g/l (for colors or clear mixed)
STANDARD COLORS: Opaque clear/amber clear with color options using our urethane color packs. The colorants may be added at the ratio of 1 pint per gallon kit of the product. However, the colorants may not impart a total hide over dissimilar colored basecoats and therefore, a basecoat must be apple in the same color before applying this product. Color packs available for this product line are white, off white, light gray, medium gray, charcoal gray, tile red, tan, light blue and blue. The clear is not suitable as a topcoat or over colored systems.
COVERAGE PER GALLON: (COLORS) 600 sq. ft. per gallon (a gallon kit + pigment = approximately 1.1 gallons and yields 660 sq. ft. actual coverage per colored kit)
COVERAGE PER GALLON KIT: (CLEAR) 600 sq. ft.
PACKAGING INFORMATION: 1 gallon (1 pint part A) with (.70 gallons part B) and (3.0# part C)
MIX RATIO: 1.08# part A with 6.45# part B and 3.0# part C (weights approximate)
FINISH CHARACTERISTICS: Semi-gloss/eggshell (typical gloss is 20-40 @ 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 CFS-Intermediate coat in a matching color for the intermediate 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.