TECHNICAL DATA SHEET
CFS-LOW GLOSS WATER BASED URETHANE

PRODUCT DESCRIPTION: CFS-Low Gloss Water Based Urethane is a two component low-gloss aliphatic polyurethane water based floor sealer that exhibits excellent characteristics for abrasion resistance, chemical resistance, and flexibility, weathering, and UV stability.

RECOMMENDED FOR: Recommended for top coating either solid color epoxy or metallic epoxy in auto service centers, warehouses, computer rooms, laboratories, aircraft hangers, cafeterias, etc.

SOLIDS BY WEIGHT: Mixed = 60%
SOLIDS BY VOLUME: Mixed = 55%
VOLATILE ORGANIC CONTENT: Less than 50 g/l
STANDARD COLORS: Clear
RECOMMENDED FILM THICKNESS: 3-5 mils per coat wet thickness (do not apply thicker)
COVERAGE PER GALLON: 320-500 square feet @ 3-5 mils wet thickness
PACKAGING INFORMATION: 1 quart, ¾ gallon, 1 ½ gallon, 3 gallon, 15 gallon
MIX RATIO: 2 parts A to 1 part B by volume
SHELF LIFE: 3 months in unopened containers
FINISH CHARACTERISTICS: low-gloss (<20 at 60 degrees @ glossmeter)
IMPACT RESISTANCE: Gardner impact, direct & reverse = 160 in lb (passed)
ABRASION RESISTANCE: Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 23 mg loss
ADHESION: >300 psi @ elcometer (concrete failure, no delamination) over suitable primer
FLEXIBILITY: No cracks on a ⅛" mandrel
VISCOSITY: Mixed = 450-650 cps (typical)
DOT CLASSIFICATIONS: Part A "not regulated" Part B "not regulated"
PRIMER: N/A used as top coat for CFS-Epoxy Intermediate Coat or CFS-Metallic Epoxy

CURE SCHEDULE: (70 DEGREES F)

Pot life - 150 gram mass	minimum 1 hour
Tack free (dry to touch)	7-9 hours
Recoat or topcoat	8-12 hours
Light foot traffic	24 hours
Full cure (heavy traffic)	3-5 days

APPLICATION TEMPERATURE: 60-90 degrees F with relative humidity between 50-90%

CHEMICAL RESISTANCE:

REAGENT	RATING
Acetic acid 5%	C
Xylene	D
Mek	B
Methyl Alcohol	B
Gasoline	D
10% sodium hydroxide	E
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.

LIMITATIONS:

*After the product is mixed, air contact may cause the material to skim off if left uncovered.
*Colors or gloss may be affected by high humidity, low temperatures, or chemical exposure.
*For best results, apply with a 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.
*Some soft compound tire contact may cause staining and discoloration.
*Lights like sodium vapor lights can cause discoloration.
*Always apply a suitable test to determine suitability and performance requirements before using.
*If not stored at room temperature before use, roller marks or color imperfections may be noticeable.
*Some roller markings may be noticeable for late roller tie-ins.