

TECHNICAL DATA SHEET CFS-POLYASPARTIC TOPCOAT

PRODUCT DESCRIPTION: CFS-Polyaspartic Topcoat is a two component high solids polyaspartic clear topcoat with excellent chemical resistance, UV stability, abrasion resistance and hardness. This material is intended to be used as a high gloss topcoat over paint chips, decorative broadcasts or colored quartz broadcasts to provide an infinite array of color schemes or patterns. CFS-Polyaspartic is designed with user friendly 1.5:1 (by volume) mix ratio and has a longer working time than most polyaspartic coatings.

RECOMMENDED FOR: Recommended for many industrial, commercial and residential applications. It is an excellent choice for garage floors, kitchens, countertops, restrooms, warehouses, laboratories, cafeterias and retail locations.

SOLIDS BY WEIGHT: 95% (+/- 3%) **SOLIDS BY VOLUME:** 94% (+/- 3%)

VOLATILE ORGANIC CONTENT:Less than 50 g/l COLORS AVAILABLE: Clear - gardner color 1-2 **RECOMMENDED FILM THICKNESS:** 8-12 mils wet (when applying directly to concrete, precautions should be taken to properly prepare the substrate and the moisture content of the substrate should be tested. Do not apply to damp surfaces.)

COVERAGE PER GALLON: 130-200 sq.ft. (typical) PACKAGING INFORMATION:

1 1/4 gallon, 2 1/2 gallon

MIX RATIO: 12.95 pounds part A to 9.3 pounds part B. The mix ratio is approximately 1.5 gallons part A to 1 gallon part

SHELF LIFE: 6 months in unopened containers

FINISH CHARACTERISTICS:

Gloss (> 70 at 60 degrees)

COMPRESSIVE STRENGTH:

11,500 psi @ ASTM D695

TENSILE STRENGTH: 3,800 psi @ ASTM D638

ULTIMATE ELONGATION: 2.4%

HARDNESS: Shore D = 75

ABRASION RESISTANCE: Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 20 mg loss

VISCOSITY: Mixed = 1,000-2,000 cps (typical) **ADHESION:** 430 psi @ elcometer (concrete failure, no

delamination, applied to shot blasted concrete) **DOT CLASSIFICATIONS:** Part A "not regulated" Part B

"not regulated"

CURE SCHEDULE: (70 DEGREES F)

Pot life (to gel, 150 gram mass) less than 2 hours (Actual usable working time is approximately 10-20 minutes depending on environmental conditions and volumes)

Tack free (dry to touch) 3-4 hours Recoat or topcoat 3-5 hours Light foot traffic 3-5 hours

APPLICATION TEMPERATURE:

Full cure (heavy traffic)

50-90 degrees F with relative humidity below 85%

CHEMICAL RESISTANCE:

24-48 hours

CILETITE RESISTANCE	
REAGENT	RATING
Xylene	C
1,1,1 trichloroethane	В
Mek	A
Methanol	В
Ethyl alcohol	В
Skydrol	C
50% sodium hydroxide	E
10% sulfuric acid	C
10% HC1 (aq)	C
5% acetic acid	C

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 Primer TOPCOAT: Optional, none required

LIMITATIONS:

- *Color stability may be affected by environmental conditions like high humidity/chemical exposure. Exposure to some types of lighting such as sodium vapor lights may cause discolorations.
- *Clarity of color may vary from batch to batch.
- *Substrate temperature must be 5 degrees F above dew point.
- *Too thick of an application may result in surface imperfections or bubble generation.
- *Always apply a test patch to determine product suitability and adhesion performance for your proposed application method and procedures.
- *All new concrete must be cured for at least 30 days prior to application.
- *Do not expose this product to water until fully cured.
- *Physical properties are typical values and not specifications.