

## 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 1:1 (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:** 84% (+/- 3%) **SOLIDS BY VOLUME:** 83% (+/- 3%)

VOLATILE ORGANIC CONTENT:Less than 95 g/l

**ODOR:** Mild solvent odor

COLORS AVAILABLE: Clear - gardner color 1-2, pigment

packs available (contact sales staff for details)

**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

SHELF LIFE: 6 months in unopened containers

FINISH CHARACTERISTICS: Gloss (> 80 at 60 degrees)

**COMPRESSIVE STRENGTH:** 

11,500 psi @ ASTM D695

TENSILE STRENGTH: 3,800 psi @ ASTM D638

**ULTIMATE ELONGATION:** 2.4% **HARDNESS:** Shore D = 55-60

**ABRASION RESISTANCE:** Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 15 mg loss

**VISCOSITY:** Mixed = < 500 centipoise (typical)

**DOT CLASSIFICATIONS:** Part A "not regulated" Part B "UN1993, FLAMMABLE LIQUID N.O.S., (CONTAINS

XYLENE, ETHYLBENZENE), 3, PGIII"

## **CURE SCHEDULE: (70 DEGREES F)**

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

Tack free (dry to touch)

Recoat or topcoat

Light foot traffic

Full cure (heavy traffic)

4-8 hours
6-9 hours
24 hours
22 hours
2-7 days

**APPLICATION TEMPERATURE:** 

50-90 degrees F with relative humidity below 85%

## **CHEMICAL 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:

<sup>\*</sup>Proper ventilation is necessary when using this product.

<sup>\*</sup>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.

<sup>\*</sup>Substrate temperature must be 5 degrees F above dew point.

<sup>\*</sup>Too thick of an application may result in surface imperfections or bubble generation.

<sup>\*</sup>Always apply a test patch to determine product suitability and adhesion performance for your proposed application method and procedures.

<sup>\*</sup>All new concrete must be cured for at least 30 days prior to application.

<sup>\*</sup>Do not expose this product to water until fully cured.

<sup>\*</sup>Physical properties are typical values and not specifications.

<sup>\*</sup>Relative humidity can affect dry time and gel time.