# TECHNICAL DATA SHEET
# CFS-VERTICAL EPOXY TOPCOAT

**PRODUCT DESCRIPTION:** CFS-Vertical Epoxy Topcoat is a two component 100% solids epoxy colored coating designed for applications to vertical surfaces at a high build without sag or slump.
**RECOMMENDED FOR:** Recommended for cement, concrete or brick applications up to 12 mils thick.

**SOLIDS BY WEIGHT:** 100% (+/- 1%)
**SOLIDS BY VOLUME:** 100% (+/- 1%)
**VOLATILE ORGANIC CONTENT:** Less than 7 g/l
**STANDARD COLORS:**
White, off white, light gray, medium gray, beige, tile red
**RECOMMENDED FILM THICKNESS:** 6-12 mils
**COVERAGE PER GALLON:**
133-267 sq. ft. @ 6-12 mils
**PACKAGING INFORMATION:** 1 gallon (8.9# part A to 1.5# part B) (this is a gallon can of part A (not full) plus 1.5# of part B in a quart can (not full). When the part B is transferred to the part A can, the result is one gallon mixed (volumes approximate) Also available in 5 gallon
**MIX RATIO:** 8.9 pounds part A to 1.5 pounds part B
**SHELF LIFE:** 1 year in unopened containers
**FINISH CHARACTERISTICS:**
Gloss (72 at 60 degrees @ glossmeter)
**ABRASION RESISTANCE:** Taber abraser CS-17 calibrase wheel with 1000 gram total load and 500 cycles = 38 mg loss
**FLEXURAL STRENGTH:** 7,347 psi @ ASTM D790
**COMPRESSIVE STRENGTH:**
10,620 psi @ ASTM D695 - ½" by ½" bars
**ADHESION:**
470 psi @ elcometer (concrete failure, no delamination)
**VISCOSITY:**
Mixed = 2500-3500 cps (typical, most colors)
**DOT CLASSIFICATIONS:** Part A "not regulated" Part B "CORROSIVE LIQUID N.O.S., 8, UNI1760, PGIII"
**TENSILE STRENGTH:** 7,140 psi @ ASTM D638
**ULTIMATE ELONGATION:** 3.3%

**GARDNER VARIABLE IMPACTOR:**
50 in. lb. direct - passed
**HARDNESS:** Shore D = 80
**CURE SCHEDULE: (70 DEGREES F)**

| | |
|---|---|
| Pot life - 1 gallon volume | 45-90 minutes |
| Tack free (dry to touch) | 10-14 hours |
| Recoat or topcoat | 14-16 hours |
| Light (industrial use) | 16-24 hours |
| Full cure (heavy traffic) | 2-7 days |

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

**CHEMICAL RESISTANCE:**

| REAGENT | RATING |
|---|---|
| Xylene | B |
| Trichloroethylene | B |
| Methanol | A |
| Ethyl alcohol | C |
| Skydrol | A |
| 10% sodium hydroxide | E |
| 10% sodium hydroxide | D |
| 10% sulfuric acid | C |
| 70% sulfuric acid | A |
| 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:** Recommended CFS-Vertical Epoxy Primer
**TOPCOAT:** None normally needed (for increased chemical resistance and increased UV stability use an aliphatic urethane topcoat)

**LIMITATIONS:**

*Color stability or gloss may be affected by environmental conditions such as high humidity, low temperatures, chemical exposure or exposure to certain types of lighting such as sodium vapor lights.
*Colors may vary from batch to batch. Therefore, use only product from the same batch for an entire job.
*Apply a suitable primer before using this product when necessary.
*This product is not UV color stable but has good resistance to color change for an epoxy product.
*Light or bright colors may require a suitable primer or topcoat to achieve a satisfactory hide.
*Substrate temperature must be 5 degrees F above dew point.
*Improper mixing may result in product failure.
*All new concrete must be cured for at least 30 days prior to application.
*Physical properties are typical values and not specifications.