



CFS-1C SINGLE COMPONENT POLYASPARTIC TECHNICAL DATA SHEET

<p><u>THE CFS DIFFERENCE:</u> CFS-Single Component Polyaspartic eliminates many of the issues associated with traditional two component polyaspartics by removing the pot-life concerns and providing up to 45 minutes of working time. CFS-1C Polyaspartic has exceptional physical properties, excellent self-leveling capabilities, strong chemical resistance and excellent adhesion.</p>	<p><u>PHYSICAL PROPERTIES:</u> CFS-1C Polyaspartic physical properties are comparable with two component polyaspartic products, providing high tensile strength, high surface hardness and high abrasion resistance. CFS-1C Polyaspartic is designed for ease of use while not giving up any quality or durability. Once you use the product, you'll see the benefits. Review the CFS-1C Polyaspartic data sheet for additional information.</p>
<p><u>THE BASECOAT AND TOPCOAT:</u> CFS-1C Polyaspartic can be tinted to be used as a base coat. This ensures system compatibility and ease of use. The pigment is pre-measured in quart containers, so no measuring is required. 1-quart of pigment is added to 1-gallon of clear CFS-1C Polyaspartic to create the color basecoat.</p>	<p><u>SURFACE PREPARATION:</u> Surface preparation is the key element for long term success. The concrete surface must allow the coating to soak into the surface of the concrete to create a strong mechanical bond. Both grinding or light shotblasting are preferred preparation methods. Proper surface preparation will ensure a successful outcome.</p>
<p><u>APPLICATION PROCESS:</u> The application process of the CFS-1C Polyaspartic is similar to other products, without the mixing, pot-life and short working time issues. A primer is recommended for very porous surfaces.</p>	<p><u>RETURN TO SERVICE:</u> The CFS-1C Polyaspartic tack free time is 2-3 hours. Light foot traffic is acceptable within 8-12 hours. Wheel traffic and vehicle parking is acceptable within 48-72 hours. Any residual odor dissipates within 24-48 hours depending on air flow.</p>

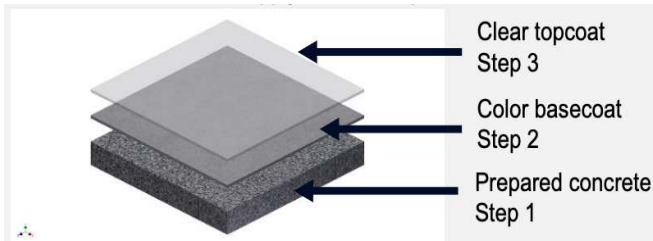


- ← CFS-1C Polyaspartic Clear UV stable topcoat
- ← Color flake
- ← CFS-1C Polyaspartic Color UV stable basecoat
- ← Prepared concrete

SYSTEM APPLICATION/QUICK 3

STEP PROCESS

- STEP 1: Prepare/clean the concrete surface
STEP 2: CFS-1C apply base coat/pigment pack
STEP 3: CFS-1C apply clear top coat



SURFACE PREPARATION FOR CONCRETE

Surfaces must be clean, sound, dry, and free of oils, grease, and other bond inhibiting contamination. Standard color packs available
Shelf life 1-year from the date on manufacturing
CFS-1C STANDARD COLORS



PRECAUTIONS Moisture vapor emission in the concrete (MVE) to be less than 3-pounds per 1000 sq. ft. for 24-hour period. Calcium Chloride test ASTM F1869-98 recommended. Should not be applied in direct sunlight or on elevated surface temperatures. CFS-1C Polyaspartic is not a permeable (breathable) product. If an impermeable coating or flooring material is installed on top of the concrete floor, the moisture will build up below the coating and eventually cause it to blister and delaminate.

TECHNICAL DATA PHYSICAL PROPERTIES

CFS-1C POLYUREA COATING

Non-compliant SCAQMD areas	250 gm/liter (voc)
Pot life @ 75°F (24°C) 50% RH	Single component
Light foot traffic	8-12 hours
Wheel traffic	2-3 days
Tack free @ 72°F	2-3 hours
Total Solid Content (Volume)	70%
Elongation ASTM D-412	25%
Tensile (psi)	4800 (clear)
Color stability excellent	100% aliphatic
Tear ASTM D-624 Hardness	550 lbs./in
ASTM D-2240	70-75 D
Shelf life	12 months
Viscosity range (SC)	800-1000 cps

ABRASION RESISTANCE ASTM 4060-90 Taber Abrader CS-17 Wheel 12.0 mg loss 1000gm / 1000 cycles.

COVERAGE RATES (Dry) (Per Gallon) Subject to substrate condition (estimate) 160 – 200 sq ft.

ATMOSPHERIC EXPOSURE CONDITIONS

Ambient temperature during application and curing should be between 45°F (7°C) and 95°F (45°C).

Chemical Resistance ASTM D543 (24 hour full Immersion)

Sulfuric Acid 5% - G
Sulfuric Acid 10% - F
Citric acid 1% - E
Isopropyl Alcohol 99% - F
Aviation Fuel - G
Diesel Fuel - G
Gasoline - E
Ammonia - E
Sodium Hydroxide - E
Sodium Hypo Chlorite 5% - E
Lactic Acid - F
Hot Tire - E
Brake Fluid - G
Sulfuric Acid (Battery, Acid) - F
Dye for industrial cleaners - S

Rating:

E - No Effect
G - Limited Effect
F - Moderate Effect
P - Unsatisfactory
S - Staining