

PCE-CFP

Semi-Rigid Epoxy Crack Fill Paste

Paramount Coatings – PCE-CFP Semi-Rigid Epoxy Fill Paste is a 100% solid, paste adhesive with superior adhesion and tensile elongation, that is available clear opaque or medium gray. It is designed to fill and reinforce the edges of concrete control joints and wide cracks. It can also be extended with aggregate for horizontal and vertical concrete repair. It is compliant with all VOC regulations.

COLOR

- Clear Opaque
- Pigmented in Medium Gray
- Custom Colors Available

FEATURES

- Complies with USDA, FDA, Food Safety Modernization Act.
- LEED® and Green Seal® requirements.
- FED VOC and EPA Compliant.
- Cures to an inert finish.
- Designed for new floors and old concrete floors.

LIMITATIONS

- This product is best suited for applications in temperatures between 60°F to 90°F (16°C to 32°C) and when the humidity is below 85%.
- Higher temperatures will result in shortened working time and faster drying time.
- Color may vary due to batch to batch variation, always “box” different batches to avoid color differences.
- Do not use as a primer when concrete slab exceeds ASTM F1869 3 lbs. or ASTM F2170 80% RH.

USES

- Use as a crack and joint filler
- Use Commercial, Industrial, Institutional and Residential polymer flooring systems
- Residential Interiors and Exterior Floors
- Garage Floors

CHECK CONCRETE MOISTURE

Concrete must be dry before application of this floor coating material. Concrete moisture tests are required, either ASTM F1869 (calcium chloride) or ASTM F2170 (in situ RH probe).

TEMPERATURE and HUMIDITY

Floor and material temperature must be at or above the published Technical Data Sheet requirements. Relative Humidity must be 5°F (3°F) below the dew point. Do not apply if humidity is at or above 85%.

SURFACE PREPARATION

Surface preparation in accordance with: ICRI Guideline No. 310.2R Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Overlays, and Concrete Repair. The pH of the concrete substrate should be at 9 or above. All bond-breaking material must be removed.

APPLICATION EQUIPMENT

Depending on system applied: Disposable 3” brush for cutting in, variable low speed drill (450 rpm) with Jiffy® type impeller mixing paddle, margin trowel, caulking spatula, and Albion Bulk Load caulking gun.

MIXING

Mix Ratio 2:1. For ease of mixing and placement, the temperature of the “A” and “B” components should be between 70°F to 80°F (20°C to 26°C). Pre-mix the “A” and “B” components to ensure all raw materials and pigments are dispersed uniformly.

APPLICATION

After mixing all contents as instructed, immediately pour all liquid material onto the properly prepared concrete substrate or next epoxy lift in ribbons and squeegee the material out evenly. Check for desired wet film thickness with a WFT Gauge. Back-rolling and cross rolling of material is critical.

SKID-RESISTANCE

Skid-Resistance – Field (in situ) Wet Dynamic Coefficient of Friction (DCOF), ANSI A326.3.

CLEAN-UP

Clean-up mixing station, tools and equipment as required. Use acetone, a VOC exempt solvent, for cleaning up. Observe all legal, and health and safety precautions when handling or storing solvents and materials, particularly in confined spaces. Make sure

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the working areas are well ventilated at all times during placement and curing time.

COVERAGE RATE

Installation coverage will vary with application method, width and depth of control joint to be filled.

Approximate Yield per Gallon			Approximate Yield per Gallon		
Width Per Inch	Depth Per Inch	Linear Feet Per Gal	Width Per Inch	Depth Per Inch	Linear Feet Per Gal
1/8	1/8	1200	1/2	1/8	300
1/8	1/4	600	1/2	1/4	150
1/8	1/2	300	1/2	1/2	75
1/8	3/4	200	1/2	3/4	50
1/8	1	150	1/2	1	37
1/4	1/8	600	1	1/8	150
1/4	1/4	300	1	1/4	75
1/4	1/2	150	1	1/2	37
1/4	3/4	100	1	3/4	25
1/4	1	75	1	1	19

PHYSICAL PROPERTIES 77°F (25°C)

VOC (Volatile Organic Compounds), (VOC Calculated Per ASTM D3960)	<0 gr./lt.
Standard Viscosity Clear Opaque	Paste
Mixed Density Clear Opaque	9.23 lbs./gal
Pot Life No. PCECFP Standard Cure, 1 gallon (3.79 liters) Mass, Pot Life is Reduced by Increases in Mass & Temperature	30 Minutes
Pot Life No. PCECFP Fast Cure, 1 gallon (3.79 liters) Mass, Pot Life is Reduced by Increases in Mass & Temperature	15 Minutes
Mix Ratio, by Volume	2:1
Minimum Application Surface Temperature	40°F
Dry to Touch 50°F to 90°F (10°C to 32°F)	4 to 6 Hours
Recoat Time 50°F to 90°F (10°C to 32°F)	6 to 24 Hours
Light Traffic 50°F to 90°F (10°C to 32°F)	12 Hour Minimum
Full Cure 50°F to 90°F (10°C to 32°F)	4 to 14 Days
Shelf Life (shipped and stored) at 40°F to 100°F (4.4°C to 38°C)	1.5 Year
Packaging 1 ½, 3 and 15 gal. (5.7, 11.4 and 56.8 liters)	

MECHANICAL PROPERTIES 77°F (25°C)

Surface Preparation ICRI Guideline No. 310.2R – Concrete Surface Profile (CSP 2 and above) Depending on System to be Installed and Condition of Concrete.	
Compressive Strength, ASTM D695	2,500 psi
Tensile Strength, ASTM D638	1,000 psi
Tensile Elongation, ASTM D638	60 %
Tensile Elongation, ASTM D412	130 %
Adhesion, ASTM D7234	>400 psi
Hardness, Shore D, ASTM D2240	55 – 60
Water Absorption, ASTM	0.1%
Abrasion Resistance, ASTM D4060 500 cycles, Wheel No. CS17, 1000 gr. Load	0.04 gr.
Flammability, ASTM D635, Bonded to Concrete	Self-Extinguishing
Microbial (fungi) Resistance, ASTM G21 (Without the Anti-Microbial Agent)	Pass #1
Moisture Vapor Emission Rate, ASTM F1869*	3 lbs.
Moisture Relative Humidity, ASTM F2170*	80% RH
*If moisture or relative humidity exceeds the limits consult the Paramount Coatings representative.	
Note: Although testing is critical, it is not a guarantee against future problems. This is especially true if there is not a positive side vapor barrier or it is not functioning properly and/or concrete is contaminated from oils, chemical spills, densifiers, excessive salts or other bond breakers.	



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DISCLAIMER:

Please read all information in the Safety Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. Paramount Coatings Products are for **“Professional Use Only”** and preferably applied by professionals who have prior experience with the Paramount Coatings Products or have undergone training in application of Paramount Coatings Products. Published technical data and instructions are subject to change without notice. Contact your local Paramount Coatings representative or visit our website for current technical data, instructions, and project specific recommendations.

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