

CFFS FORTIFICATION FORMULA™ (FAST SET)

Product Description

CFFS FORTIFICATION FORMULA is a two-component, 100% solids, VOC Compliant, ultra low viscosity polyurea repair material that has the ability to cure in a wide range of temperatures. Its high compressive strength makes it a great choice for heavy traffic areas and those that are prone to damage due to falling objects.

Product Features

- ❖ Bonds well to a variety of substrates including concrete, wood, fiberglass and asphalt.
- ❖ Displays fast cure times (5-25 minutes) in a wide range of temperatures.
- ❖ Can be squeegee applied over spalled concrete to fill in and eliminate holes, pits, and cracks.
- ❖ Can be used in depths of 1/16" to 3" without the need of sand or pea gravel as a filler.
- ❖ Able to be returned to service immediately after initial cure (10-30 minutes).
- ❖ Emits virtually no odors and can be applied indoors.
- ❖ Once cured, Fortification Formula remains completely inert, meaning it will not swell or shrink with temperature changes.
- ❖ Cures non-porous and will not allow bacteria, mold and other pathogens to bond to it.

Primary Applications

- ❖ Commercial freezer repairs
- ❖ Aircraft hangar floors
- ❖ Low temperature equipment
- ❖ Maintenance facility floors
- ❖ Garage floors
- ❖ Industrial shop floors
- ❖ Car washes or wash bays
- ❖ Forming / rebuilding stairs and steps
- ❖ Leveling and grade matching
- ❖ Bridge / street repairs
- ❖ Concrete polishing and other coating applications
- ❖ Non-moving control joint fill

Product is sold in CONCRETE GRAY color.

Typical Physical Properties

Tensile Strength	ASTM D412	4800
Compressive Strength (psi Mpa)	ASTM C109	5600
	*W/ Sand	6200
Elongation	ASTM D412	6-8%
Bond Strength	ASTM 882-99	2250
Hardness, Durometer	ASTM D2240	67-72 D
Viscosity (mixed)		25 CPS
Tear Strength	ASTM D624	-LB/MIL 489

Typical Processing Properties

1:1 Mix Ratio (@72°F)	5-10 minutes - tack free
Pot Life (@72°F)	1-2 minutes
Weight Solids	100%
Color	A - Amber B - Gray
Relativity Humidity-72°F-54%	Hard dry - 5-10 minutes
	Foot Traffic - 10 minutes
	Vehicle Traffic - 30 Minutes

Adhesion Results (ASTM D-4541 ELCOMETER)

Concrete	concrete failure	>550psi
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Packaging

Available in 22 oz. dual cartridges, 1 gallon kits, and 10 gallon kits. Contact CFFS for immediate product availability and packaging.

***CFFS Fortification Formula exceeds USDA and FDA requirements for incidental food contact.**

Shelf Life and Storage

Twelve months in factory delivered unopened drums and buckets. Keep away from extreme heat, cold and moisture. Maintain at a proper storage temperature of 50-90° F. Keep out of direct sunlight and away from fire hazards.