

CFFS POLYFLEX-93™ FLEXIBLE POLYUREA JOINT FILL

Product Description

CFFS Polyflex-93 is a two component, 100% solids, VOC Compliant, self leveling flexible control and expansion joint filler. This product cures rapidly and consistently at temperatures ranging from -20° -120°F. With a tack-free time of under 5 minutes, Polyflex-93 reduces downtime and allows repaired areas to be reopened to vehicle or foot traffic in one hour. Excellent elastomeric properties create flexibility while a tenacious bond to the concrete sidewalls of the joints leads to long lasting results and performance.

Product Features

- ❖ Displays fast cure times typically under 1 hour.
- ❖ Low to medium viscosity material has excellent penetration and adhesion properties.
- ❖ Can be applied at temperatures ranging from -20-120°F and in high humidity.
- ❖ Meets USDA and FDA Requirements.
- ❖ 100% polyurea elastomer displays superior flexibility and tensile strength.
- ❖ Emits virtually no odors and can be applied indoors with minimal disturbance to the surrounding environment.
- ❖ Remains flexible even in cold temperatures.
- ❖ Resistant to Petrochemicals.
- ❖ Has 150-160% elongation, allowing for maximum concrete movement without failure.

Primary Applications

- ❖ Industrial facilities
- ❖ Pulp and paper mills
- ❖ Aircraft hangar floors
- ❖ Manufacturing facilities
- ❖ Maintenance facilities
- ❖ Bottling and canning facilities
- ❖ Industrial shop floors
- ❖ Warehouse floors
- ❖ Car washes or wash bays
- ❖ Food processing and serving facilities
- ❖ Wastewater treatment applications
- ❖ Freezers

Polyflex-93 is available in 22 oz. Cartridges and 5 gallon bulk containers (sold as a 10 gallon kit).

Product color is Concrete Grey. Custom tinting may be available with minimum quantities required. Contact CFFS for more information.

Typical Physical Properties

Mix Ratio (by volume)	1 : 1	
Tensile Strength	ASTM D412	1600 min
Elongation	ASTM D412	170 min
Tear Strength (PLI)	ASTM D624	375 min
Hardness, Shore A	ASTM D2240	90-93
Viscosity	Self Leveling	
Color (A + B)	Concrete Gray or Custom	
Pot Life (100 grams at 77°F)	1-2 minutes	
VOC Content	<10 g/l	

Typical Processing Properties

1:1 Ratio	Tack Free - 5-10 minutes
Relative Humidity-72°F-54%	Initial Cure - 30 minutes
	Full Cure - 3 hours

Surface Preparation - Concrete

Concrete surface must be clean, sound, and dry prior to application of Polyflex-93. Any oils or fats must be removed prior to product application. Use a masonry saw blade to prepare the side walls of the joint and vacuum thoroughly to remove any latent dust and debris. Install foam backer rod as required. Do not apply to wet substrates. Always pre-condition the material to the ambient temperature prior to use. For bulk mixing, always agitate the B side of the material before combining it with part A.

DO NOT ALLOW MATERIAL TO RESIDE IN THE STATIC MIXER FOR LONGER THAN 45 SECONDS OR BLOCKAGE CAN OCCUR.

Storage Conditions

Always store at 50° -95°F and out of direct sunlight.

CleanUp

Cured product may be disposed of without restrictions. Uncured material should be mixed and allowed to cure, then disposed of properly. Use Xylene to clean tools and incidental contact with skin before material cures. Always use proper P.P.E.