

CFFS POLYFLEX-93™ FLEXIBLE POLYUREA JOINT FILL

Product Description

CFFS Polyflex-93 is a two component, 100% solids, VOC Compliant, self-leveling flexible control joint filler. This product cures rapidly and consistently at temperatures ranging from -20° -120°F. With a tack-free time of under 10 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.

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
- ❖ Freezers and cold storage areas

Application

A 22 oz. cartridge (300ml x 300ml), when used with a closed cell backer rod set at ¾" deep will cover approximately 18' of ¼" wide control joints. Applied material should be overfilled 5%. Allow the Polyflex-93 to set for approximately 45 minutes then use a sharp 8" razor scraper to shave excess material from top of slab.

Storage Conditions

Shelf life of unopened containers is 6 months stored at 60° - 90°F.

Typical Physical Properties

Mix Ratio (by vol.)		1 : 1
Tensile Strength	ASTM D412	1350 psi
Elongation	ASTM D412	82%
Tear Strength (PLI)	ASTM D624	78
Hardness, Shore A	ASTM D2240	85-90
Hardness, Shore D	ASTM D2240	30-35
Viscosity (Poly)	700 ± 400 cps @ 77°F	
Viscosity (Iso)	400 ± 200 cps @ 77°F	
Pot Life (100 grams at 77°F)		1 minute

Typical Processing Properties

1:1 Ratio	Tack Free - 5-10 minutes
Relative Humidity-72°F-54%	Initial Cure - 45 minutes
	Full Cure - 3 hours

Surface Preparation - Concrete

Concrete surface must be clean, sound, dry and any oils or fats must be removed prior to product application. Use a masonry saw blade (dry) 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. **DO NOT ALLOW MATERIAL TO RESIDE IN THE STATIC MIXER FOR LONGER THAN 30 SECONDS OR BLOCKAGE CAN OCCUR.**

CleanUp

Cured product may be disposed of without restrictions. Uncured material should be mixed and allowed to cure, then disposed of properly. Always use proper P.P.E.

Availability

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

Cured product color is Concrete Grey.