

1. PRODUCT NAME

PCF-415FS

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

PCF-415FS is a fast-setting resin designed to permanently restore structure and design strength to cracked concrete structures. The PCF-415FS was specially formulated to set up quickly in the crack to help prevent bleed out and loss of resin due to porous soils or voids. The PCF-415FS can be used in any temperature all the way down to minus 20 degrees. PCF-415FS can be used with pea gravel to repair a deteriorated concrete area that must re-open to vehicular traffic in 15 minutes.

Advantages

- LOW-ODOR FORMULA
- FAST-SETTING
- EXCELLENT CHEMICAL RESISTANCE
- NO EXPENSIVE DISPENSING EQUIPMENT NEEDED
- RESTORE'S STRUCTURAL STRENGTH

Uses

The PCF-415FS can be used for permanently repairing cracks in concrete such as:

- Bridge Decks / Ramps
- Parking Garages
- Commercial Freezers
- Random crack filling
- Retail and warehouse concrete floors

4. APPLICATION INSTRUCTIONS

- 1) Clean surface by sweeping clean or with dry oil free air blast. Sandblasting or grinding can be used to provide rough white-metal profile.
- 2) Use a 1:1 manual or pneumatic dispense when applying the material
- 3) Apply PCF-415FS into crack until completely filled by using a dual cartridge or bulk loaded dispensing pump (must be dispensed continuously or material could set up in the mixing nozzle)
- 4) Excess material can be topped off as needed.

Packaging

PCF-415FS is available in dual 22 ounce cartridges or bulk loaded kits upon request

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for 6 months when properly stored between 60 – 80 degrees

Limitations

- Not for use on contaminated or oily surfaces
- Do not install when surface temperature is below -20°F. and any new concrete must be 28 days old
- Material must be used through the static mixer at least every 15-20 seconds or mixed material will gel

Cautions

- Wear chemical goggles and NIOSH approved respirator. Wear proper protective clothing and gloves to prevent direct contact of uncured resin. Consult Material Safety Data Sheet for full listing protective requirements.
- PCF-415FS may irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin.
- For professional use only.
- Keep out of reach of children.

5. TECHNICAL DATA

Performance Properties
Test/Test Method Results

Pot Life @ 75 degrees	35 seconds
Gel Time @ 75 degrees F	4 minutes
Final Cure @ 75 degrees F	15 minutes
Compressive Strength	4100 psi (Neat) 4700 psi (w/ pea gravel)
Bond Strength	1276 psi
Tensile Strength	2800 psi
Shrinkage	less than 1%
Water Absorption	less than 0.2%
Shore D Hardness	75-80
Elongation	3%
Mix Ratio by volume	A/B 1:1
Mixed viscosity	20 cps
Color Mixed	Limestone Gray

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