

Crack-Pac® Flex-H₂O™ Polyurethane Crack Sealer

The Crack-Pac® Flex-H₂O™ hydrophobic polyurethane injection resin seals leaking cracks, voids or fractures in concrete or solid masonry. Designed to perform in applications where water is seeping or mildly leaking from the crack, the polyurethane is packaged in the cartridge and an accelerator is packaged in the nozzle. When the resin encounters water as it is injected into the crack, it becomes an expanding foam that provides a flexible seal in leaking and non-leaking cracks.

Features

- Can be dispensed with a standard size caulking tool, no special dispensing tool needed
- Clean and easy to mix
- Can also be used on dry cracks if water is introduced to affected area
- Expands to fill voids and seal the affected area
- Fast reacting — reaction begins within 1 minute after exposure to moisture; expansion may be completed within 3 minutes (depending on the amount of moisture and the ambient temperature)
- 20:1 expansion ratio (unrestricted rise) means less material needed

Applications

- Suitable for sealing cracks ranging from 0.8–6.4 mm wide in concrete and solid masonry.
- Suitable for repair of cracks in dry, damp and wet conditions with excellent results. Designed to perform in applications where water is seeping or mildly leaking from the crack. (See *Definitions on 97*)
- In order for components to mix properly, the resin and hardener must be conditioned to 15–32°C before mixing.
- **IMPORTANT:** Must be pressure injected into crack.
- **Pressure injection applications require crack repair accessories (E-Z-Click™ Injection System and Paste-over Material). Refer to page 100 for further information.**

Base Material

- Concrete

Installation

Refer to pages 101–105, 106–108 for installation procedures. Refer to page 102 for cartridge usage estimation guide.

Shelf Life

12 months from date of manufacture in unopened cartridge.

Storage Conditions

For best results, store between 7–32°C. Product is very moisture sensitive

Colour

Polyurethane — clear, accelerator — green, cured — green.



CPFH09 (266 ml)
Dispensing Systems: U.S. Patents 6,737,000 and 6,896,001 B2



Suitable for pressure injection only


Clean Up


Uncured material — Wipe up with cotton cloths. If desired scrub area with abrasive, waterbased cleaner and flush with water. If approved, solvents such as ketones (MEK, acetone, etc.), lacquer thinner, or adhesive remover can be used. **DO NOT USE SOLVENTS TO CLEAN ADHESIVE FROM SKIN.** Take appropriate precautions when handling flammable solvents. Solvents may damage surfaces to which they are applied. Cured material — scrape or brush off surface with a putty knife or wire brush. Tip: wetting the concrete or masonry surface immediately prior to injection will make cured resin easier to remove.

Chemical Resistance

Very good to excellent against water, most hydrocarbons and alkalis. Poor to fair against ketones, chlorinated solvents and concentrated acids.

Cartridge Size and Accessories

Cartridge	Size	Box Qty	Ctn Qty	Model No.
	266 ml	1	12	CPFH09

Dispensing Tools	Description	Model No.
	High-quality, standard size caulking tool	DT300

1. Use only appropriate Simpson Strong-Tie® mixing nozzles in accordance with Simpson Strong-Tie instructions. Modification or improper use of mixing nozzle may impair epoxy performance.

Please see pages 99–100 for further information on crack repair accessories (Dispensers, E-Z-Click™ Injection System and Paste-over Material)

Additional Components

Condition	Paste-Over Material	Injection Ports
Dry Crack	ETR16, CIPLO22	EIP-EZA, EIPX-EZ- RP20 (Drill-In)
Wet Crack		
Seeping Crack	Hydraulic Cement	
Mildly Leaking Crack		

Please see page 100 for further information on crack repair accessories (E-Z-Click™ Injection System and Paste-over Material)

Definitions

Dry Crack: A crack containing no moisture.

Wet Crack: A crack containing moisture (damp or containing standing water).

The surface can be dried and will remain dry during the paste-over operation.

Seeping Crack: A wet crack that slowly oozes water. After being dried, the surface slowly becomes wet again.

Mildly Leaking Crack: A crack with a slow trickle of water emitting from its face.