

**CONCRETE CRACK REPAIR INSTRUCTIONS**

**Step 1. Drilling**

Drill a series of staggered holes along the full length of the leaking crack. Space the holes 4 to 6 inches apart starting at the bottom. For best results, insert the drill at a 45-degree angle toward the crack.

**Step 2. Flushing with water**

Attach the valve and nozzle supplied with the kit to a garden hose. (A pump sprayer may also be used to supply water.) Starting at the bottom, flush each hole while adjusting the water to a low-pressure stream using just enough water to flush the debris from each hole and to wet the entire crack.

**TIP:** Water promotes a foaming reaction of Flex~Grout 25™ within the crack.

**Step 3. Assembling the cartridge**

Shake cartridge well before installing nozzle. Remove outer and inner cap on outlet port. Attach applicator nozzle with threaded retaining nut. Place the cartridge in the dispensing gun.

**Step 4. Injecting Flex~Grout 25™**

Working from the bottom to the top, insert the nozzle into the first hole and squeeze the cartridge gun three to four times. Depending on the size of the leaking crack, one cartridge should be sufficient to treat approximately 8 feet.

**Step 5. Cleaning and finishing**

With a flat-bladed tool, remove any excess grout on the exterior of the crack. Patch any holes using a putty knife, with concrete material.

**Table 1: Physical Properties of Uncured Materials**

	Flex~Grout 25™ Part A	Flex~Grout™ 25 Part B	Measurement	Test Method
Color	Pale Yellow	Clear		Visual
Specific gravity	1.04	1.044		ASTM D891
Viscosity at 77°F (25°C)	450-550	570-670	Centipoise	ASTM D4878
Storage stability	12	12	Months	
Corrosiveness	Non-corrosive	Non-corrosive		
Flash point	390 (199)	>300 (149)	Fahrenheit (Celsius)	
Hazard class	Not regulated	Not regulated		

**Table 2: Physical Properties of Cured Materials**

	Flex~Grout 25™	Measurement	Test Method
Tensile strength	55	psi	ASTM D412
Elongation	140	Percent	ASTM D412
Die-C tear	8	pli	ASTM D624
Pot life at 77°F (25°C)	10	Minutes	
Density	10-15	pcf	In-house
Toxicity	Non-toxic		

Note: These values were generated while simulating a situation where Flex-Grout 25™ was applied under pressure similar to typical field condition applications.

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