

CRETEX Flex~Grout 25™

Hydrophobic waterstop for
stopping water infiltration.



PRODUCT DESCRIPTION:

Flex~Grout 25™ is a custom-formulated flexible hydrophobic polyurethane waterstop packaged in two-component cartridges. The convenient cartridge package allows the product to be used for leaking cracks and joints in residential and commercial basements, garages and parking structures. The cartridge system is suitable for repairs in confined spaces where pump injection is not practical. Flex~Grout 25™ is dispensed by using standard, two-component caulking guns equipped with static tube mixers. Hand, battery or air-operated guns are acceptable. No premixing of additional components is required. Static mix nozzles and nuts are provided with the cartridges.

PRECAUTIONS:

This material is intended to be used by trained professionals with the proper equipment. The following safety measures are recommended:

- Wear protective gloves, clothing, goggles, hearing protection for noise reduction and hard hats for falling debris.
- Do not eat, drink or smoke while in active contact with these materials.
- Avoid skin contact.
- Wash hands thoroughly with soap and cool water. Never wash the skin with a solvent.
- Anyone experiencing difficulty breathing when working with these materials or showing an allergic reaction should seek fresh air immediately and consult a physician if symptoms persist.

Depending on the scope of the project, it may be advisable to consult a manufacturer's representative during installation.

HEALTH AND SAFETY:

Material safety data sheets and product labels must be reviewed prior to use or handling the material.

YIELD:

A typical cartridge will fill a volume of 302 cubic inches (5074 cubic centimeters) or a 3/16-inch (4.8-millimeter) crack in an 8-inch (203-millimeter) thick by 8-foot (2.4-meter) high wall.

MATERIAL STORAGE:

Cartridges should be stored above 60°F (15°C) and below 120°F (48°C). Open cartridges should be used quickly to avoid the material gelling in the cartridge or static mix nozzle. All spills of Flex~Grout 25™ should be disposed by absorbing the grout into an inert material and then transferring the mixture to an open top drum. Do not seal the waste drums for 24 hours to allow the Flex~Grout 25™ to react completely. Dispose of waste material in accordance with state and local regulations.

PACKAGING:

Flex~Grout 25™ is available in kits consisting of 12, two-component cartridges; 12 static mix nozzles and nuts.

SITE PREPARATION:

The temperature of the wall may alter the reaction time of Flex~Grout 25™ when it is injected. Colder walls and concrete will extend the reaction time. Warmer walls will shorten the reaction time. The reaction can be accelerated by heating Flex~Grout 25™. Our recommended application temperature is between 55°F to 90°F (12.8°C to 32.2°C). See figure 1 and 2 below.

Figure 1

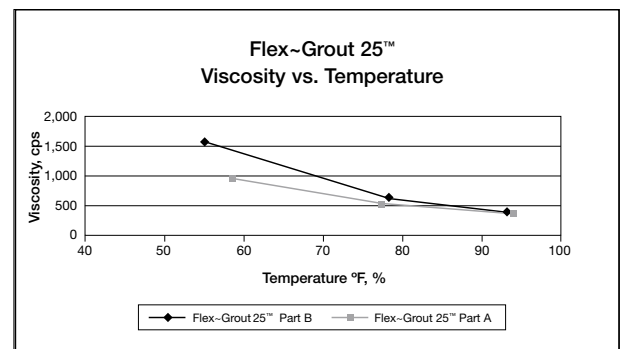
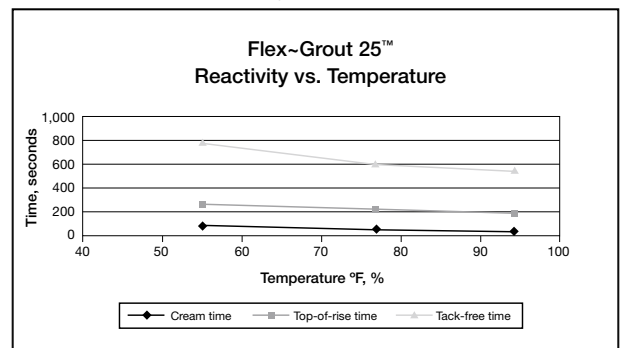


Figure 2



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.

WARRANTY The information contained in this document is to assist customers in determining whether our products are suitable for their applications. Our products are intended for sale to industrial and commercial customers. The customer must inspect and test our products before use, and satisfy themselves as to the contents and suitability. Nothing herein shall constitute a warranty, expressed or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials, and in no event shall we be liable for special, incidental or consequential damages.