



10 Foot Wall Crack Repair Kit

Repair Guide - Concrete Crack Foam Injection

The information for waterproofing cracks in poured concrete has been compiled from several professional sources as recommended guidelines. Due to the variability in poured wall conditions the selection of the proper material for the intended application and installation is the sole responsibility of the applicator.

REPAIR KIT CONTENTS

The CME kit includes all of the materials and accessories for low-pressure injection and repair of approximately 8 - 10 linear feet of cracks.

2 nozzles (use with The CME Injection Foam)
12 surface ports and caps
2 Jars CME Removable Surface Seal and Port Adhesive
2 The CME Flex Foam Standard cartridges
2 pair rubber gloves
1 plastic trowel
Complete instructions
Product Data Sheets & MSDS

TOOLS REQUIRED

Standard caulking gun/tool

CRACK PREPARATION

Place drop cloth on the floor in front of work area. Remove loose or flaking concrete, efflorescence, paint or any coatings to approximately 1-2 inches on either side of the crack. Wipe the surface clean of dust after brushing. The crack surface must be dry for proper installation of injection ports and surface seal. For the best results if wet, wait a few days until the surface dries or if necessary, use a hot air gun, hair drier, or oil free compressed air to dry.

SURFACE PORT PLACEMENT

As a rule of thumb, ports are placed 8" apart centered over the crack, starting at a point closest to the floor (vertical cracks). Remove caps from surface ports and set aside.

SURFACE PORT ATTACHMENT AND SEALING OF THE CRACK

1. Be prepared to work quickly with mixed adhesive. Pour small equal amounts of surface seal and port adhesive (about ¼ of each jar) onto a scrap piece of cardboard. Mix well for about a minute with the trowel (repeat this step each time you run out of mixed adhesive). Apply a small amount of mixed adhesive to the bottom of the port base. Place the port starting at the bottom of the crack and repeat every 8" until the entire crack is ported. NOTE! Do not allow the adhesive to block the bottom of the port opening or the crack under it.

2. The next step is to work the mixed surface seal along the entire length of the crack using the plastic trowel. The recommended adhesive application is 1/8" thick and 1" wide. Make sure to mound sufficient extra epoxy around the base of the ports.

3. Let the surface seal and port adhesive cure before beginning injection, about 2 hours or until fingernail hard.

INJECTION PROCEDURE

1. Place the Flex Foam cartridge in your caulking gun. Cut the plastic top and then twist on the plastic nozzles.

2. Place the nozzle into to the lowest port and begin pressing **gently**. Use about one tube every four to five feet. .

4. Begin injecting slowly with low pressure allowing the injection foam time to flow into and fill all small fissures, until the foam begins to flow from the port above it. Plug the first port with the cap provided, and move up to the next port. Repeat this procedure until the entire crack has been filled with the foam. Note! The secret to effective crack injection is patient low-pressure introduction of the foam. Small or hairline cracks may take up to 2 minutes at each port for proper filling to take place.

CLEAN UP

The surface seal can be removed by striking with chisel after foaming is complete in about 1 hour.