

## WHAT COMES IN THE CONCRETE REPAIR KIT?

### KIT INCLUDES



- One (1) 2.44m / 8ft long x 30.48cm / 12in wide carbon fibre
- One (1) Tube of DRICORE® PRO Epoxy Adhesive
- One (1) Static epoxy nozzle

### OTHER PRODUCTS USED WITH CRACK REPAIR



DRICORE® Dual Cartridge Epoxy Gun  
300/300 ml or 300/150 ml



DRICORE® PRO Concrete Crack Prep  
Used to fill cracks



DRICORE® PRO Concrete Crack Injection  
Used to inject cracks



DRICORE® PRO Mighty Wipes  
Removes Epoxy!



Injection Ports

## PLEASE READ ALL DIRECTIONS CAREFULLY & WEAR SAFETY GOGGLES BEFORE INSTALLING

DRICORE® PRO CONCRETE REPAIR offers 3 products to ultimately repair and reinforce your crack. With the purchase of all 3 products, please follow all three steps.

If purchasing the PRO CARBON FIBRE REINFORCEMENT KIT, only follow **Step 3**.

Measure the length of your crack. 1 carbon fibre kit will cover an 8-foot crack. Multiple kits may need to be purchased to cover the length of your entire crack.

## Step 1 | Prep

### PREPARE

- Grind along the crack to expose the aggregate. This will allow the epoxy to adhere to the concrete. If applying Carbon Fibre (Step 3), measure out 18cm / 7in from each side of the crack and make a mark. Grind the area within the marks.

**Note:** Any caulking/paint/etc. in the working area needs to be removed

**Tools:** Grinder equipped with 5-inch surface grinding dust shroud kit and a diamond cup grinding wheel, dust extractor vacuum, safety mask

### INSTALL PORTS

- Starting at the bottom of the crack, mark location for the first port. Measure and mark remaining ports every 46cm / 18in.

**Note:** Depending on length of crack, not all ports will be used.

- Insert DRICORE® PRO CONCRETE CRACK PREP into the DRICORE® PRO DUAL CARTRIDGE GUN, remove cap, and screw on nozzle.
- Dispense a small amount of DRICORE® PRO CONCRETE CRACK PREP, using the DRICORE® PRO DUAL CARTRIDGE GUN onto a disposable work surface, such as cardboard or painter's tray.

- Detach port cap from the side of the port and set aside. Roll the entire flat edge of the port in the DRICORE® PRO CONCRETE CRACK PREP. Be sure that no epoxy is in or covering the bottom hole.
- Pressing firmly, place the epoxy covered port, centered directly over the crack, at the previously marked location.
- Follow the above steps to place the remainder of the ports.

**Tip:** Use DRICORE® PRO MIGHTY WIPES for all your clean up needs

## COVER THE CRACK

- Working in 46cm / 18in sections, evenly dispense DRICORE® PRO CONCRETE CRACK PREP. Using a plastic putty knife, spread epoxy approximately 5cm / 2in on both sides of the crack, working your way along the crack.
- At port locations, apply the epoxy around the entire port, until the port base is no longer visible.
- Minimum full curing times range from 6 hours at 27°C / 81°F to 12 hours at 16°C / 61°F.

**Tip:** Clean putty knife and set aside for **step 3**.

DRICORE® PRO MIGHTY WIPES easily removes epoxy

**TOOLS:** Grinder, marker, measuring tape, gloves, plastic putty knife, safety mask, DRICORE® DUAL CARTRIDGE GUN



## Step 2 | Inject

Allow DRICORE® CONCRETE CRACK PREP to dry. Epoxy should be dry to the touch before **Step 2**.

**Note:** PRO CONCRETE CRACK INJECTION needs to be conditioned to room temperature 21-25°C / 70-75°F before using.

- Insert DRICORE® PRO CONCRETE CRACK INJECTION into the DRICORE® PRO DUAL CARTRIDGE GUN, remove cap, and screw on nozzle.
- Insert the nozzle into the first injection port at the bottom of the crack.
- Dispense the product slowly until you see product coming out of the next highest port. Remove nozzle and close off the port with the cap.
- Insert into the next port and repeat the process working your way along the crack, port by port.
- Allow 24 hours for the product to cure. Once cured, knock the ports off lightly with a hammer. Move ahead to step 3.

**Tip:** Use DRICORE® PRO MIGHTY WIPES for all your clean up needs

**TOOLS:** Gloves, hammer, safety glasses, safety mask, DRICORE® DUAL CARTRIDGE GUN



## Step 3 | Reinforce

**Note:** Depending on the type of crack, there are options for fixing. Please read carefully.  
Go to section titled MOUNT if you followed **Step 1 and 2**



### PREPARE (If Steps 1 and 2 were not completed)

- Measure out 18cm / 7in from each side of the crack and make a mark. Make guide marks all the way along the crack on both sides. Grind the area within the marks to expose the aggregate. This will allow the epoxy to adhere to the concrete.

**Note:** Any caulking/paint/etc. in the working area needs to be removed.

**Tools:** marker, grinder equipped with 5-inch surface grinding dust shroud kit and a diamond cup grinding wheel, dust extractor vacuum, safety mask, safety goggles, safety gloves,



### CONCRETE REMOVAL

This step is necessary if **Steps 1 and 2** were not followed and crack is actively leaking.

**Note:** Crack needs to be dry on surface before installation. (see website for tips and tricks to dry crack)

- From the base of the wall, measure out 15cm / 6in on the concrete floor and make a mark. Find the center of the crack and measure 18cm / 7in on each side and mark it on the floor.

**Tip:** Tape perimeter of the area for visibility during concrete removal.

- Using a hammer drill, remove the concrete inside the marked area. Remove all concrete until you expose any stones and/or dirt to expose the footer\*.

**Note:** Concrete should be removed past the edge of the footer\*. Avoid hammering the footer.

\*The foundation footer is the bottom building block made of concrete on which your house and foundation walls rest.

**TOOLS:** Demolition hammer or jack hammer, bucket, safety goggles, ear protection, safety gloves, safety mask, tape



## MOUNT

**Note:** Crack needs to be dry on surface before installation (see website for tips and tricks to dry crack)

**Optional:** (If **Steps 1 and 2** were completed) For a lower profile finish, grind the DRICORE® CONCRETE CRACK PREP to be flush with concrete wall.

Any excess carbon fibre can be desired length. If concrete was removed during the concrete removal step, there is no need to cut excess carbon fibre. Excess carbon fibre should drape down into the exposed gravel area and out over the footer\* If concrete was not removed, using gloves, hold the dry carbon fibre and drape it down the crack to see what excess material needs to be removed. Using scissors cut the excess carbon fibre.

- Using DRICORE® DUAL CARTRIDGE GUN, apply thin layer of DRICORE® PRO EPOXY ADHESIVE to the foundation wall (between the carbon fibre marks), working from top to bottom covering entire prepared surface.
- Using the plastic putty knife, spread the epoxy evenly between previously marked locations.
- Applying a sufficient coating of epoxy to the foundation wall, using gloves, start at the top of the crack and imbed the carbon fibre into the epoxied area.
- Using the plastic putty knife, lightly push the carbon fibre into the DRICORE® PRO EPOXY ADHESIVE allowing it to penetrate through the carbon fibre.
- Apply another layer of DRICORE® PRO EPOXY ADHESIVE over top of the carbon fibre. Using light strokes with the plastic putty knife, spread epoxy evenly, focusing on the edges for a clean and secure installation.
- Allow 8 hours to dry. The carbon fibre may be painted with regular latex paint.

**TIP:** For the best bonding of latex paint to the epoxied carbon fibre, lightly scuff the surface with 80-100 grit sand paper.

**TIP:** Use DRICORE® PRO MIGHTY WIPES for all your clean up needs.

**TOOLS:** gloves, putty knife, safety mask, scissors, DRICORE® DUAL CARTRIDGE GUN



## FINISH (Optional - Only if concrete was removed)

- When the DRICORE® PRO EPOXY ADHESIVE is dry, the broken floor area may be back filled and re-poured.
- Mix concrete per manufacturer's recommendations.
- Pour concrete into work area and trowel to a smooth, uniform finish.

**TOOLS:** Concrete, bucket, shovel and towel

## RECOMMENDED TOOLS

Grinder equipped with 5-inch surface grinding dust shroud kit  
Use for grinding foundation wall  
\*USE DIAMOND CUP WHEEL

10-Gallon HEPA Dust Extractor  
Collects dust while attached to grinder and shroud tools

Cutting and Tuck Pointing Dust Shroud Tool  
Use to tuckpoint the wall  
\*USE DIAMOND EDGE BLADE

Hammer Drill  
Use for concrete removal  
\*USE CHISEL OR SPADE TIP ATTACHMENT

## TOOLS NEEDED

- Safety Goggles
- Safety Mask
- Plastic putting knife
- Epoxy Gun
- Measuring Tape
- Gloves
- Scissors
- Marker
- Hammer

## SAFETY WARNINGS

Please read and follow safety procedures for all tools and wear proper safety equipment during installation.

While using power tools follow all EPA/OSHA guidelines for lead paint removal and respiratory protection. For more information visit [www.epa.gov](http://www.epa.gov) or [www.osha.gov](http://www.osha.gov).

Please refer to [dricore.com](http://dricore.com) for safety data sheets