**WHAT COMES IN THE CONCRETE CRACK LOCK® KIT?**

**KIT INCLUDES**

- (20) Rhino Carbon Fiber™ Concrete Crack Lock® Stitches
- (1) Tube of High Strength Anchoring Epoxy Paste
- (1) Static Epoxy Nozzle
- Gloves and instructions

**PRODUCTS COMMONLY USED WITH THIS REPAIR**

- Rhino Carbon Fiber™ Dual Epoxy Gun
  300/300 ml or 300/50 ml gun
- Dual Power Epoxy Gun
  300/300 ml gun
- Tough Wipes by Rhino Carbon Fiber™
  Removes Epoxy!

**RECOMMENDED POWER TOOLS**

- **5-Inch Grinder w/Dust Shroud Kit**
  - Use before and after installation  
  **USE DIAMOND CUP WHEEL**
- **10-Gallon Dust Extractor**
  - Collects dust while attached to 
  grinder and shroud tools
- **Tuck Point Grinder w/Dust Shroud Tool**
  - Use to cut across crack 
  **USE SINGLE DIAMOND BLADE**
- **Hammer Drill**
  - Use to drill holes 
  **USE CHISEL OR SPADE TIP ATTACHMENT**

**YOU WILL ALSO NEED...**

- Safety Goggles
- Respirator Mask
- Hard Hat
- Coveralls
- Drop Cloth/plastic
- Marker
- Hammer
- Epoxy Gun
- Measuring Tape
- Putty Knife

**SAFETY WARNINGS**

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

When using power tools please follow all EPA guidelines for lead paint removal. For more information on EPA guidelines visit www.epa.gov.
**PREP**

- Lay plastic or drop cloth around work surface (if needed)
- Grind across surface of crack to ensure it is smooth
- Remove all loose concrete & debris

Tools: Grinder, plastic, drop cloth, or tape

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**CONCRETE CRACK LOCK™ LOCATIONS**

- Install the first Concrete Crack Lock™ (CCL) as close to the beginning of the crack as possible
- The CCL should be installed every 8” to 12” (20 cm to 30 cm) roughly perpendicular to the crack. Vary the angle slightly to reinforce the crack in all directions.
- Center the CCL to the crack and trace the outline of the CCL.

Tools: Marker and measuring tape

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**CUTTING**

- Using the tuck point grinder with a .08” (2 mm) thick blade, make the cut across the crack for the Concrete Crack Lock™
- The cut should be around 5/8” deep to provide approximate 1/8” (3 mm) cove over the CCL
- Make sure the cut is full depth from hole location to hole location

Tools: Tuck point grinder

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**PLEASE READ ALL DIRECTIONS CAREFULLY & WEAR SAFETY GOGGLES BEFORE INSTALLING**
**03 DRILL**

- Line the Concrete Crack Lock™ ends up with the cut
- Mark and drill the holes the same depth as the cut
- Drill 1/2” (13 mm) holes at each end of the cut where the Concrete Crack Lock™ will be inserted

Tools: Drill, 1/2 inch masonry drill bit

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**04 INSTALL**

1. Fill the cut and holes with the High Strength Anchoring Epoxy Paste
2. Insert the Concrete Crack Lock™ into the cut and work it in to ensure all voids around the CCL are completely filled
3. Top off the cut with the High Strength Anchoring Epoxy Paste until it is even with your concrete surface
4. Scrap away any excess and apply to the crack or the next CCL location

Tools: Putty knife

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**05 FINISHING PRODUCT (optional)**

- If the product settles you can add more epoxy to the cuts. You can grind any excess epoxy off with a grinder once it has cured
- Once the High Strength Anchoring Epoxy Paste has dried and all clean up/grinding has been done, you can paint or seal over the repair