



CrackWeld® PRO Concrete Floor Crack Repair

RadonSeal®

CrackWeld® PRO Floor Crack Repair Kits make for quick and easy repairs of cracks and defects in concrete slabs, basement floors, slab-on-grade, industrial concrete floors, driveways, garage floors, concrete patios, parking garages, and heavy-duty surfaces. CrackWeld is a commercial-grade, two-component, low-viscosity, rigid polymer that cures stronger than concrete shortly after application.

Step 1: Preparation

The crack must be **INTERNALLY DRY** before the application. If moisture is present, it could interfere with curing.

Clean the crack and surrounding surface area using a wire brush. Remove loose concrete, dust, efflorescence, oils, sealers, or paint approximately 1-2 inches on either side of the crack. After brushing, vacuum the crack removing dust and loose debris from the surface and inside the crack.

Step 2: Cartridge Assembly

- Shake the cartridge vigorously for at least one minute.
- Holding the cartridge upright, twist and remove the cap and nose plug.
- Install backflow restrictor on top of the cartridge.
- Place the mixing nozzle onto the restrictor/cartridge.
- Slide the retaining nut over the mixing nozzle and tighten it.
- Place PRO cartridge into the dual-caulking gun.

Step 3: Purge Cartridge

Slowly squeeze the trigger of the caulking gun to expel air and a minimal amount of unmixed product into a disposable cup. The CrackWeld dual-cartridge is now ready to use.

IMPORTANT: KEEP CARTRIDGE POINTED DOWN. After purging and during the application, try not to point the cartridge upwards. It could contaminate the resin inside the cartridge.

Step 4: Application

1. Before applying CrackWeld, fill the crack halfway with the provided silica sand. This prevents the low-viscosity resin from sinking too deep into the crack.
2. Apply CrackWeld into the crack, saturating the silica sand and priming the crack's sides.
3. If the first pass does not fill the crack completely, broadcast sand over the crack. Refill the remaining void inside the crack.
4. Soak the sand with CrackWeld until saturated, leaving a slight hump.

Hairline Cracks:

If the crack is too thin for sand:

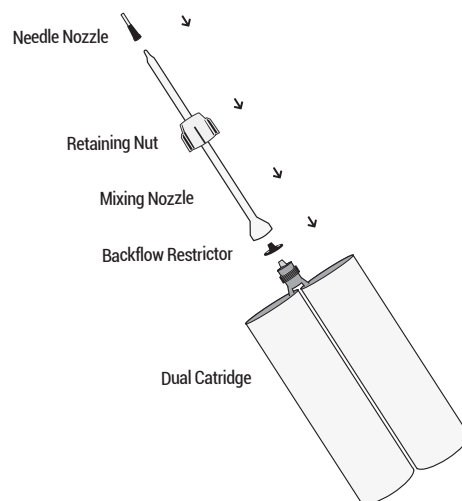
- Attach the needle nozzle by pressing it onto the top of the mixing nozzle.
- Gravity-feed the resin into the crack.
- Additional passes may be necessary until the crack is filled.



TIP - Maintain a steady flow of CrackWeld through the mixing nozzle or it may become plugged after a couple of minutes. After a stoppage, purge the mixer into a disposable cup. To minimize stoppages, repair small sections of the crack at a time (5-10 ft. or use up the whole cartridge).

Step 5: Sand the Surface

Sand, grind, or scrape the surface in 10-15 minutes, once the resin reaches initial cure.



Clean Up

Vacuum dust, sand, and loose debris. Dispose of used mixing nozzles. Unused product can be capped with the removed nose plug and reused.

Storage

- Store locked up, in a dry, cool location out of direct sunlight.
- Do not store at temperatures above 100 °F.
- Avoid freezing.
- Shelf Life: 1-Year

Kit Contents

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| (2) CrackWeld Dual-Cartridges | (1) Dual-Component Caulk Gun |
| (2) Retaining Nuts | (3) Needle Nozzles |
| (2) Pair of Gloves | (3) Mixing Nozzles |
| (1) 4-lb bag of Silica Sand | (1) Eye Goggles |
| (4) Backflow Restrictors | <i>(two already installed on cartridges)</i> |

FAQ

Can I paint over CrackWeld? Yes. The cured resin will also accept adhesive, epoxy coatings, concrete patching, and similar.

Can CrackWeld be color stained? No. CrackWeld will not properly accept a concrete stain.

Will CrackWeld bond to itself? Yes. If you experience some sagging and need to apply more, CrackWeld will bond to itself.

Does the crack need to be completely dry? Yes. CrackWeld has zero tolerance for moisture, which will affect the cure. To help speed up drying time, an air compressor or hair dryer can be used prior to application.

What kind of sand is used? The kit includes silica sand. Alternatively, dry sand without fines can be used (dry, all-purpose sand).

Are the mixing nozzles reusable? No. If the resin hardens within the mixing nozzle, dispose and use a new mixing nozzle.

How fast does CrackWeld cure? Within 10-15 minutes and ready for foot and vehicular traffic once hard.

Should I repair the crack before using RadonSeal Concrete Sealer? We recommend repairing cracks before deep sealing concrete with RadonSeal. However, either way would work.

I can do this myself, right? Absolutely! If you need expert assistance, please contact us. A RadonSeal technician can assist with the application and answer any questions you may have.

