

INSTRUCTIONS

CRACKWELD®

CONCRETE FLOOR CRACK REPAIR KIT

Review Instructional Video on the RadonSeal website: www.radonseal.com/crack-injection/slab-cracks.htm

STEP 1: CRACK 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

See diagram.

- Shake cartridge vigorously for at least one minute.
- Holding cartridge upright, twist and remove the retaining nut.
- Remove nose plug.
- Install backflow restrictor on top of the cartridge.
- Place mixing nozzle on the restrictor.
- Slide the retaining nut over the restrictor and tighten.
- Place CrackWeld cartridge in standard caulking gun.

STEP 3: PURGE

PURGE CARTRIDGE! Slowly squeeze the trigger of the caulking gun to expel air and a small amount of unmixed product into a disposable cup. The CrackWeld cartridge is now ready to use!

IMPORTANT - KEEP CARTRIDGE POINTED DOWN!

After purging and during the application, do not point the cartridge up. It could contaminate the resin inside the cartridge.



STEP 4: APPLICATION

- Before applying CrackWeld, **partially fill the crack halfway with the silica sand** provided. This will prevent the low-viscosity resin from sinking deep inside the crack.
- **Apply CrackWeld into the crack**, saturating the silica sand and priming the sides of the crack.
- If the first pass does not fill the crack, **broadcast sand over the crack and refill the remaining void inside the crack.**
- **Soak the sand with CrackWeld** until saturated. Leaving a slight hump.

HAIRLINE CRACKS

- When repairing hairline cracks, press needle nozzle onto the top of the mixing nozzle.
- If the crack is too thin to accept sand, simply **gravity-feed the resin into the crack.** To level out, additional passes may be necessary until filled.



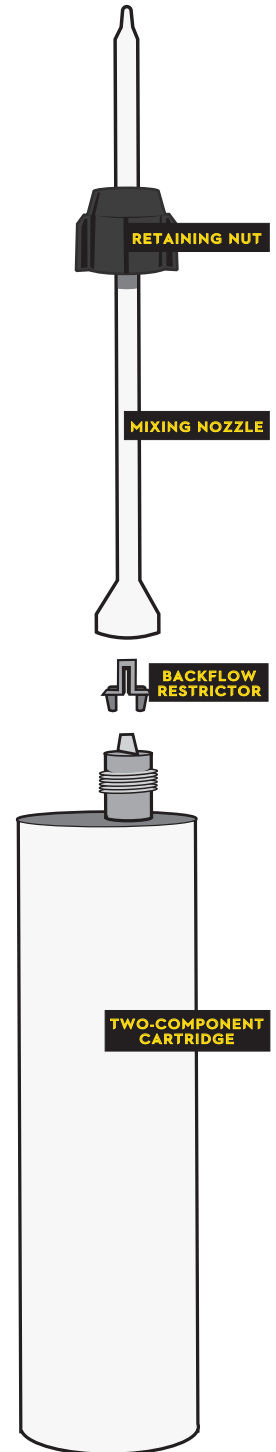
STEP 5: SAND THE SURFACE

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

STEP 6: 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.
- 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.

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



FAQs

What color is CrackWeld? The color of cured CrackWeld is light grey, but may change when exposed to UV rays – which does not affect its strength.

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

Can CrackWeld be stained? No. CrackWeld is hydrophobic and will not 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 with moisture, which will affect the cure. To help speed up drying time, an air compressor or hair dryer can be used before application.

What kind of sand is used? The kit includes silica sand. Alternatively, dry sand without fines can be used.

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 assistance, please contact a RadonSeal representative who can help with application and any questions you may have.

