

ElastiPoxy

Epoxy Joint & Crack Filler

CONTENTS

(1) can of **COMPOUND A (Resin)**



(1) can of **COMPOUND B (Hardener)**



(2) **Measuring Cups**



(2) **Mixer Attachments**



MATERIALS NEEDED

(1) **Mixing Container**



Electric Drill



If Necessary...

- Paint brush to make the surfaces tacky.
- Handheld angle grinder or hammer drill to route out cracks.
- Foam backer rod for wider cracks or joints.
- Plastic indoor watering can or cup for pouring pure epoxy into joints.
- DRY construction or play sand for sand-epoxy mix.
- Small trowel for applying the epoxy-sand mix.
- Color pigment.

SURFACE PREPARATION: **Concrete Surface** must be clean – remove any dirt, paint, oil, efflorescence, or bond-inhibiting contaminants. Surface may be damp but a **dry surface** is preferred for best results. **Surface temperature** must be above 40 °F during the application and for 24 hours after.

CRACK PREPARATION: Narrow Cracks: The crack or joint should be at least 1/4" wide. Route out cracks in floors or walls with a hand-held angle grinder or hammer chisel at least 1/2" deep. Remove loose concrete and dust (*air blower, shop vac*).

Containing the Epoxy: To prevent the epoxy from running out of the bottom of wider cracks or joints, insert **foam backer rod** of suitable diameter (sold in stores), or fill partially with sand or caulk up to 3/4" to 1/2" below the surface.

Leaky Tie Rods: Chisel out the concrete at least 1/2" deep. Remove loose concrete and dust.

MIXING PROCEDURE: Mix Compounds A and B separately in their own containers using the two mixer attachments in a slow-speed electric drill – **do not cross contaminate!** Using the measuring cups, pour equal amounts of Compounds A and B into the mixing container. **Exact measurement is important!** Mix together for at least 2 minutes using one of the mixer attachments. If desired, add color pigment while mixing.

If needed, add **DRY SAND** (*construction or other sand without fines*) with a measuring cup - at the appropriate ratio - and mix thoroughly. **NOTE:** *More sand provides a stiffer mixture for vertical surfaces, more volume, but a rigid rather than flexible repair.*

After mixing, let the epoxy mixture off-gas for 15 minutes. It has a short **pot life – 30 to 45 minutes**. Mix only as much product as you can easily apply within 30 minutes.

APPLICATION: First, **tack-coat** the joint, routed crack, or surface with pure epoxy (*without sand*) using a paint brush. Secondly, pour in the pure epoxy or apply the sand-epoxy mix as described below:

EXPANSION CONTROL OR FLOOR-TO-WALL JOINTS, CRACKS IN FLOORS: The pure epoxy is self-leveling. Pour the epoxy into the joint with a plastic cup or small watering can until level.

HOLES OR DIVOTS, SPALLS OR PITS IN CONCRETE SLABS: Use 2:1 or 3:1 sand to epoxy ratio. Apply with a trowel and smooth out.

TIP: Broadcast sand over the epoxy before it cures to add texture and prevent tracking. Lay strips of masonite or plywood over the area if immediate traffic use is required.

CRACKS OR HOLES IN POURED CONCRETE OR BLOCK WALLS: Use a 5:1 or 6:1 sand-to-epoxy ratio and force the mix into the crack with a trowel, starting at the bottom. If the epoxy sags, mix in more sand.

LEAKING OR DETERIORATED CONCRETE BLOCKS: Use 2:1 or 3:1 sand to epoxy ratio. Apply with a trowel, pushing hard to fill the pores.

CURING TIME: Depends greatly on temperature:

80 °F and higher ... 45 min. to 1.5 hours; 65–79 °F ... 1 to 3 hours; 50–64 °F ... 3 to 4 hours; 49 °F and below ... 4-8 hours.

CLEAN-UP: Clean with water while still wet after installation. (*If cured, clean using xylene or aromatic solvent.*)

SHELF LIFE/STORAGE: Unopened containers – 1 year. Store in a cool dry location out of direct sunlight. **AVOID FREEZING!**

COVERAGE: Based on a routed out crack 1/4" wide by 1/2" deep and using pure epoxy (without sand), the 2-quarts ElastiEpoxy Kit will fill approximately 75 ft. of cracks and the 2-gallon ElastiPoxy Kit approximately 300 ft.

At a 4:1 sand-to-epoxy ratio, the 2-quarts ElastiEpoxy Kit will fill about 375 ft. of cracks 1/4" wide and 1/2" deep.

DISCLAIMER: We shall not be liable for any injury, loss, direct, indirect, or consequential damages arising out of the use of this product. The buyer shall determine the suitability of the product for the intended use and assumes all risk and liability whatsoever in connection with the use of this product.

For detailed information on ElastiPoxy consult our website at: <http://www.radonseal.com/crack-injection/crack-filler.htm>
Or contact a customer service representative.

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