

# ElastiPoxy<sup>®</sup> Joint & Crack Filler Kit

ElastiPoxy Joint & Crack Filler is a self-leveling, 100% solids, two-component, flexible epoxy for lasting crack repair and filling of contraction/control joints, saw cuts, spalls, and larger cracks in poured concrete, and concrete blocks. Add sand to the epoxy to increase workability.

### Contents

- 1 Can of Compound A (Hardener)
- 1 Can of Compound B (Resin)
- 3 Measuring Cups
- 3 Mixer Attachments

# Color

Cures Grey

# **Materials Required**

1 • Mixing Container (plastic bucket; for larger batches) Variable Speed Drill

# If Necessary

- · Dry All-Purpose Sand (for sand-epoxy mix)
- · Foam backer rod for wider cracks and joints
- Paintbrush (to make surfaces tacky)
- · Angle grinder or chisel to route cracks
- Trowel Color pigment



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### Uses

Control/Contraction joints, floor-to-wall joints, concrete cracks, mortar joints, seams, spalls, pits, holes, tie rods, and defects, porous or deteriorated concrete blocks, and masonry.

Indoor/Outdoor. Floors/Walls. Chimneys, patios, pool decks, garage floors, driveways, sidewalks, retaining walls, basements, parking lots, ramps, stairwells, decks, warehouses, and industrial slabs.

### Coverage

Figures are approximate based on a joint or crack 1/4" wide by 1/2" deep. Can be used with or without sand depending on the type of void being filled.

Sraight (without sand): 75 linear feet.

Mixed With Sand (4:1 sand to epoxy ratio): 375 linear feet.

### Conditions

Epoxy can bond to damp surfaces, but for best results the substrate should be dry prior to application. Air and surface temperatures are between 40-90° F.

### Prep

Surfaces must be bare and clean. Remove ground-in dirt. paints. efflorescence. sealers, mold, oil, grease, and other contaminants. Vacuum dust and loose particles. Surfaces may require several days to dry after pressure washing or heavy rainfalls.

Narrow Cracks/Joints: Route out with an angle grinder or chisel (minimum: 1/4" w X 1/2" d).

Wide Cracks/Joints: Prevent the epoxy from running out by inserting foam backer rod or partially fill with sand or caulk (3/4" to 1/2" below the surface). Tie Rods: Chisel out concrete at least 1/2" deep. Remove loose particles and dust with a shop vac or air compressor.

# Mixing

Mix PART A & B separately in their own plastic containers using the mixer attachments. Avoid cross-contamination. Pour equal amounts of PART A & B into separate plastic container. The exact measurement is crucial! Mix for at least 2 minutes with a clean mixing attachment. If desired, add color pigment while mixing. After mixing, let epoxy off-gas for 15 minutes before use.

Adding Sand: When sand is required, slowly add dry sand at the appropriate ratio while mixing PART A & B. After mixing, let epoxy off-gas for 15 minutes before use.

# Application

1. Tack coat the void with pure epoxy using a paint brush.

2. Pour in or apply the sand-epoxy mix as described:

Control Joints: The pure epoxy is self-leveling. Pour into the joint with a plastic cup (small watering can, or similar) until level.

Stress Cracks, Spalls in Slabs: Use 2:1 or 3:1 sand/epoxy ratio. Push the mixture in and level with a trowel.

Cracks, Seams, Wire Ties, Holes in Walls: Use a 5:1 or 6:1 sand/epoxy ratio and push the mixture into the crack with a trowel. If epoxy sags, mix in more sand.

Skim Coating Wet Concrete Blocks: Use a 3:1 sand/epoxy ratio. Apply pressure with a trowel, pushing the mixture into the pores. If epoxy sags, mix in more sand.

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Temperature & Humidity Dependent: > 80°F (45-90 minutes); 65-79°F (1-3 hours); 49°F and below (4-8 hours).

# Clean Up

Clean materials with water immediately after use. Cured resin can be cleaned using xylene or aromatic solvent.



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If you have any detailed questions about your application or project, please do not hesitate to contact a RadonSeal representative for expert advice.





