



# 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.

## Advantages

- Easy to Use. 1:1 mix ratio makes preparing and using ElastiPoxy easy.
- Safe for use indoors and in basements.
- Versatile. Use straight for a flexible repair on horizontal surfaces. Modify with sand for a rigid repair and for use on vertical surfaces.
- Flexible. Allows for the natural expansion and contraction of concrete.
- Moisture Tolerant. Able to adhere to damp surfaces making it ideal for use in subterranean applications and slab-on-grade construction.
- Zero VOCs. Can help comply with LEED certification.
- Virtually indestructible. Impervious to water and soils gases with excellent chemical resistance.
- Prevents damage or deterioration to joint shoulders caused by heavy vehicle load.
- When mixed with dry all-purpose sand, behaves more like a super-strong and durable patching mortar to provide a rigid repair for large voids and defects in both vertical and horizontal surfaces.

## Uses

For sealing and repairing concrete cracks, cove joints, saw cuts, control joints, mortar, CMU cracks, spalls, and holes in industrial, commercial, and residential settings, ElastiPoxy is a flexible and self-leveling solution.

### Residential Applications

Driveways  
Walkways  
Pool-decks  
Basements  
Crawlspaces  
Concrete block foundation walls  
Floor-to-wall joints  
Garage floors  
Chimneys  
Slab-on-grade  
Patios

### Commerical Applications

Warehouses, Factories  
Retaining walls  
Parking areas, parking garage  
Sidewalks  
Runways  
Industrial slabs  
Elevator pits  
Mortar joints  
Ramps  
Decking  
CMUs

## Limitations

Not suitable for application in:

- Expansion/isolation joints:
- Not for use in joints found in asphalt paving applications.

## Packaging

Available in; 10 gals, 2 gals, 4 qts, and 2-qt complete kits. Each kit contains Part A (Hardener) and Part B (Resin), (3) Mixing Cups & (3) Mixing Paddles.

## Shipping

**Lower 48:** Orders ship via Ground Delivery. Packages are delivered within 1-5 business days.

**Alaska, Hawaii, and Puerto Rico:** Additional charges apply. Please contact us for assistance and ship quote.

### Shipping Weight:

- 10 gals: 50 lbs per box (two boxes)
- 2 gals: 20 lbs (one box)
- 4 qts: 9 lbs per box (two boxes)
- 2 qts: 9 lbs (one box)

## Technical Data

<b>Tensile Strength:</b>	ASTM D 638	1,500 psi
<b>Tensile Elongation*:</b>	ASTM D 638	25%
<b>Compressive Strength:</b>	ASTM D 695	6,000 psi
<b>Tensile Strength:</b>	ASTM D 638	800 psi min
<b>Bond Strength to Concrete:</b>	ACI 403	>350 p.s.i. fails in concrete
<b>Hardness (Shore D):</b>	ASTM D 2240	60
<b>Impact Resistance:</b>	MIL-D-3134	Passes, 16 ft./Lbs.
<b>Abrasion Resistance:</b>	ASTM D 1044	< 45 mg loss
<b>Bond Strength to Steel:</b>		1950 psi
<b>Pot Life:</b>	25** mins	
<b>Tack-Free/Thin Film:</b>	3.5** hours	
<b>Traffic:</b>	5-8** hours	
		<i>Lay strips of hardboard or similar over cracks if immediate traffic use is required.</i>
<b>Full Cure:</b>	7** days	
<b>Mix Ratio Part A/Part B:</b>	1:1 by volume	

\* Elongation does not directly correlate to lateral expansion capability.

\*\* At 75°F. Temperature and humidity dependent. Adding sand results in faster curing.

## Applicator

**Straight** - Pour ElastiPoxy by using the mixing cups or a comparable container.

**Sand Mixture** - Apply using a concrete trowel.



## Coverage & Mix Ratio

Coverage is based on a 1/4" x 1/2" routed joint.

**Straight:** 75 linear feet

- **Control, Floor-To-Wall Joints, Saw Cuts:** 1:1; Combine equal amounts of PART A & B.

**Mixed with Sand:** 375 linear feet (based on a 4:1 sand-to-epoxy ratio).

- **Holes, Divots, Spalls, and Pits in Concrete Slabs:** Use a 2:1 or 3:1 sand-to-epoxy ratio.
- **Wire Ties, Cracks in Poured Concrete, Cracks in Concrete Block Walls, Mortar Joints:** Use a 5:1 or 6:1 sand-to-epoxy ratio. If the epoxy sags, increase the amount of sand.

## Color

Cures Grey. Alternatively, color pigment and colored sand can be incorporated to achieve a desired hue, texture.



## Storage & Shelf Life

1-Year when containers are kept unopened. Ensure storage in closed containers out of direct sunlight. Store at temperatures between 40-90°F. Avoid freezing.

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**Disclaimer:** Novion Inc. warrants this product to be of merchantable quality when used or applied in accordance with the instructions hereon and shall not be liable for any injury, loss, direct, indirect, labor, cost of labor, lost wages, and opportunity costs, and all other possible incidental, consequential, or special damages arising out of the use of this product. Please review the SDS sheet before use. The buyer shall determine the suitability of the product for the intended use and assumes all risk and liability in connection with the use of this product.

