

## Technical Data:

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# EP 607P

## Aluminum Putty

### Product Description

Epoxy Aluminum Putty EP 607P is a two-component epoxy compound, highly reinforced with aluminum powder. Designed for repairing cracks and breaks in aluminum parts. Provides high adhesion to most metals and concrete.

### Features & Benefits

- Easy mix 1:1 ratio
- No sagging or shrinking
- Forms aluminum-like finish
- Reduces downtime

### Applications

Repairing and casting of aluminum parts

### Typical Uncured Properties

**Note:** The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

<b>Appearance/Color</b>	Part A and B	Aluminum Grey Paste
<b>Density, g/cm<sup>3</sup> @ 25°C</b>	Part A and B	1.7-1.8
<b>Mix Ratio (A:B)</b>	1:1	

### Instructions for use

Clean and abrade application surface.

Weigh equal amount of resin and hardener in ratio 1:1 into a clean container.

Mix the parts thoroughly being careful to scrape sides and bottom of the container until uniform consistency is obtained.

Open time and cure time depend on temperature and amount of compound. A higher temperature will accelerate the curing time but a lower temperature will elongate the curing time.

The curing time is also effected by the thickness of the layer. A layer of 8 to 12 mm will harden in between 3 to 4 hours at temperature of 25°C.

To speed curing at low temperature, preheating of the application surface is recommended.

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<b>Processing</b>	<b>Open time @ 25°C, 100g, min</b>	30-40
	<b>Cure time @ 25°C, 5-6 mm layer, hr</b>	6-8
	<b>Final curing, days</b>	2-3
<b>Typical Cured Properties</b>	<b>Hardness, Shore D, ASTM - D-2240</b>	82
	<b>Lap Shear Strength, ASTM-D-1002, Etched Aluminum, MPa</b>	16-20
	<b>Tensile Strength, ASTM – D-638, MPa</b>	27-32
	<b>Elongation, ASTM – D-638, %</b>	0.8-1.3
	<b>Flexural strength, ASTM – D-790, MPa</b>	55-63
	<b>Flexural modulus, ASTM – D-790, MPa</b>	4500-5400
	<b>Service Temperature</b>	-40°C to 90°C

### Storage and Handling

Store products at 16-35°C for maximum shelf life.  
Certain resins and hardeners are susceptible to crystallization. If crystallization occurs, warm the container to 50-60°C until the crystals have dissolved.  
Stir and allow content to cool to room temperature before use.

### Packaging

Packaging sizes are available from 0.2 to 1kg in containers

### Shelf Life

These products have a shelf life of 12 months in unopened original containers.

### Limitation of Liability

Except where prohibited by law, Polymer-G and seller will not be liable for any loss or damage arising from the Polymer-G product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.