



Re-enterable two-component silicone resin

Resil® is a two-component re-enterable silicone resin for filling and insulating low voltage junction casings and boxes.

The electrical and mechanical features of Resil® ensure protection and insulation from water, dust, and elements for electrical connections and components, and its high resistance to penetration makes it ideal for use as a filler for GSA and GSB series shells to make straight (RJA series) and branch (RJB series) low voltage Resil Joints® connections.



USE & REUSE

Thanks to RESIL®'s innovative formula, unlike traditional resins, **it is possible to use only the amount required**, keeping the remainder for **later use**: no waste with **maximum yield and versatility of use**.

Re-enterable

Resil®, unlike polyurethane and epoxy resins, allows re-entering long after cross-linking has taken place, and ensures good mechanical strength and protection against accidental contact with live parts.

High performance

Resil®'s fast cross-linking reduces installation and activation time, as well as labour costs. The process is non-exothermic and so it causes no damage to the components and the parts to be insulated.

High dielectric strength: 23 kV/mm.

Wide range of operating temperatures (-40 to 115° C).

Easy and waste-free

The two components used to make **Resil®** come in separate containers to ensure the correct 1:1 mixing ratio. The new 1 and 5-liter measuring jugs allow waste-free, thorough and rapid mixing, even if the silicone resin is mixed in one go.

NEW 1L and 5L MEASURING JUGS



Safe

Resil® contains no isocyanates and ensures maximum safety levels for the environment and operators. Resil® is classified as non-hazardous under European Regulation no. 1272/2008 (CLP) and can be disposed of as solid waste.



Available size

Resil® is available in 2 sizes: 1 and 4-liters bottles, both with measuring jug.



- Re-enterable
- Dielectric strength: 23 kV/mm
- Mixing ratio 1:1
- Density: 1.3 g/cm³
- Working time at 23° C: 5 min
- Cross-linking time at 23° C: 12 min
- Operating temperature: -40 to 180° C
- Color: blue
- Storage temperature: 5 to 25° C
- Self-extinguishing class V₀
- Classified as non-hazardous under European Regulation no. 1272/2008 (CLP)

Applications

- Filling junction boxes
- Insulation of 0.6-1 kV electrical connections
- Insulation of electronic boards and components
- Ideal for low voltage Resil Joint® connections: straight (RJA Series) with GSA Series shells, and branch (RJB Series) with GSB Series shells

Advantages

- Re-enterable
- May be partially used as needed
- Can be mixed in one go in the jugs provided
- Easy pouring
- Rapid and non-exothermic cross-linking
- Excellent electrical insulation
- Non-hygroscopic
- Good mechanical strength that prevents accidental contact with live parts
- Protection from elements (rain, moisture), dust, animals, insects, leaves
- Self-extinguishing class V₀
- Non-toxic (isocyanate-free)
- Eco-friendly
- Easy-to-clean reusable jug



Resil 100

Two-component silicone resin
re-enterable - 1 liter

Kits contents

- 2 transparent 500 ml bottles
- 1-liter measuring jug

item	volume (liters)	weight (kg)
RESIL 100	1.0	1.3



Resil 400

Two-component silicone resin
re-enterable - 4 liters

Kits contents

- 2 transparent 2-liters bottles
- 5-liter measuring jug

item	volume (liters)	weight (kg)
RESIL 400	4.0	5.2