

2-184-0200 Epoxy Metal Filler, 200 ml

Product description

Epoxy Metal Filler is a medium viscous, fast-curing 2-component epoxy resin adhesive and filler compound for a wide range of applications. Epoxy Metal Filler fulfils a wide range of filling and bonding tasks between different materials. This mineral-filled reaction resin system has been specially developed as a filler for joint and seam areas (no contact corrosion). Epoxy Metal Filler is used in the automotive industry as a paint carrier system and tin replacement. Fast curing (less than 60 minutes at elevated temperature) and easy machinability allow a cost-effective application.

Epoxy Metal Filler is supplied in a 2-component piston with a static mixing coil. The fixed mixing ratio and the correct mixing in the static mixing coil guarantee the product characteristics and the consistent quality during the processing of the material.

Epoxy Metal Filler can be applied without temperature input. This allows repairs to be carried out without complete dismantling of attachments, such as door panels or covers. With minimal effort and therefore significant time savings. As well as with increased security. Because the "cold" processing protects adjacent lacquers, adhesive joints, seam seals or cavity seals. All this is environmentally friendly without exposure to lead and heavy metals.

Epoxy Metal Filler is delivered in a two-component cartridge ready for use. The curing takes place at room temperature and can be accelerated by adding heat. The metal putty has a good adhesion to aluminium, iron and steel and hardens without shrinkage. Epoxy Metal Filler can be sanded with low dust after curing and is easily repainted.

Typical applications

- Bonding of metals and other materials
- Joint fillers for a wide range of applications
- Filling filler in body construction
- Support system for paints
- Alluvial tin replacement
- As filling and composite material in 3D printing + Additive Manufacturing

Characteristics

- Good adhesion to steel, aluminium, zinc, plastics and minerals
 - Easy machining (drilling, grinding, planing)
 - High stability , no sagging, no runoff
 - Easy to model
 - Fast curing, which can be increased by adding temperature
 - High temperature resistance (up to +110 °C)
 - Light grey shade after curing
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Chemical resistance

Please contact our technicians for questions about chemical resistance.

Storage / Shelf life

Store in original, unopened container in a dry, cool and frost-free place (+5°C to +20°C). Shelf life 2 years. Keep away from direct sunlight. Higher temperatures reduce the shelf life.

Product data condition of delivery

| | |
|--------------------------|--------------------|
| Hue component A (resin) | anthrazit |
| component B (hardener) | white |
| Mixing ratio Harz/Härter | A : B] = 2 : 1 |
| Pot life | 30 minutes at 20°C |
| Processing temperature | 10°C - 50°C |

Product data outreacted product

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|----------|----------------------------|-------------------|
| Density | 1.55 (g/cm ³) | |
| Strength | 84 | |
| E-Modul | 10400 (N/mm ²) | DIN EN 13412:2006 |

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Preparation of the adhesion surface

Correct surface pre-treatment is a prerequisite for the successful application of Epoxy Metal Filler . The surface must be free of grease, clean and dry. Varnish and other residues such as adhesive residues must be completely removed. The substrate must be metallicly polished with a grain size of P60. A good result is also achieved with a brush blasting device. After this preparation, the surface must be cleaned with a residue-free cleaner. The application temperature must be between 10 °C and 50 °C.

Disposal

Unused residual material from the cans can be disposed of normally when mixed in the correct ratio and fully cured. Unmixed material must be disposed of as chemical waste.

Safety Data Sheet

Please read the appropriate safety data sheet before processing the product. Material Safety Data Sheets are available on a daily basis upon request. C.A.R.FIT guarantees the product properties as long as they are stored and used according to the specifications listed here. C.A.R.FIT does not assume any responsibility for the processing of the material. Our technicians will be happy to answer any further questions you may have.
