

■ liquid metals Steel #0078

Product description

Liquid Metal Steel is a one-component, ready-to-use metal filler, filled with steel filler materials. The viscous special putty can be applied with a spatula or a lancet. After curing, the metal spatula shows an excellent alignment with the corresponding base material. Particularly effective is the use for serial repairs to minor surface defects.



Thickened material can be diluted by adding Diamant Thinner (#0079) (not possible with tube packaging), so that it can be used again. The Diamant Thinner (#0079) can also be used to change the consistency of liquid metal Alu #0076 and liquid metal Iron #0077. As a result the fillable material becomes more spreadable or pourable.

Characteristics

- Versatile application due to individually adjustable viscosity by diluting
- temperature resistant up to +200°C
- ready-to-use and easy application
- Good chemical resistance
- Contains selected and high-quality fillers
- Weather resistant
- Resistant to hot liquids

Typical applications

- small, fast repairs
- surface protection
- Repair of pipes, containers, gutters, radiators, castings, coolers, etc.

Pack sizes

Article

T01 300g tube

Description

ATTENTION: Deviating delivery time 8 – 10 working days

Custom sizes on request.

Product data condition of delivery

Hue component A (resin)	dark grey
Storability	tins, pots and tubes 6 months at 10-20°C syringes 3 months at 10-20°C
Curing Surface drying	at 20°C room temperature 2 hours

Product data (outreacted product)

Temperature resistance (permanent)	200 °C
Dry film thickness	3 mm
color	dark grey

Storage / Shelf life

Store dry, between 10-20°C in unopened original container. Avoid direct sunlight. The shelf life is 6 months for tins, cans and tubes and 3 months for syringes.

Processing / Preparation

For optimum adhesion of liquid metal steel, we recommend degreasing the surface before application. For this purpose we recommend the use of DIAMANT Cleaner #1417.

Application

The areas to be repaired should be clean and dry. Deeper defects can be repaired by applying several coats, each of which should be cured before applying the next. Maximum layer thickness: 2mm-3mm. The applied metal filler hardens within 2 hours. After this time, the above-mentioned subsequent layers can be applied in the case of multi-layer applications. Curing takes place within 2 hours at +20°C room temperature. Reseal cans, jugs well after use. Diamond liquid metal steel and diamond thinner are combustible. **Flame point below +21°C/70°F.**

Curing

At 20°C about 120 minutes / 2 hours

Disposal

Unused residual material from the cans can be disposed of normally when mixed in the correct ratio and fully cured (EAKV 170203). Unmixed material must be disposed of as chemical waste (EAKV 080111). If you book the Diamant service team, we will dispose of the waste. For further information please see the service data sheet.

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 via info@diamant-polymer.de or by phone +49-2166-98360. DIAMANT guarantees the product properties as long as they are stored and used according to the specifications listed here. DIAMANT does not assume any responsibility for the processing of the material. Our technicians will be happy to answer any further questions you may have.

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