Technical data sheet

Liquid metal Alu
Product number #0076

**Product description**
Liquid Metal Alu is a one-component, ready-to-use metal filler, filled with aluminum 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 made ready for use again 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. As a result, the spachtelbare material spreadable, or pourable.

**Characteristics**
- Versatile application through individually customizable viscosity (by dilution)
- Temperature resistant up to 200°C
- Ready to use and easy to use
- Good chemical resistance
- Contains selected and high quality fillers
- Weatherproof
- Resistant to hot liquids

**Typical Application**
- Small, fast repairs
- Surface protection
- Repairs to pipes, containers, gutters, radiators, castings, coolers etc.

**Package size**
- Cans / Jugs: 1.000g
- Tube: 500g
- Syringe: 20ml

**Storage / shelf life**
Store dry in the unopened original container between 10°C - 20°C. Avoid direct sunlight. Shelf life is 6 months for cans, jugs and tubes and 3 months for syringes.

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Value</th>
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<tbody>
<tr>
<td>Maximum layer thickness</td>
<td>~ 2-3 mm</td>
</tr>
<tr>
<td>Temperature resistance [°C]</td>
<td>up to +200°C</td>
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<tr>
<td>Curing time at + 20°C [Min.]</td>
<td>~ 120</td>
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</tbody>
</table>

All material values are average values and vary based on the mixing ratio, the amount of material and the environmental conditions. The material values given here are based on standard conditions (STP) of + 20°C (68°F) and 1013mbar.

**Important note**
Please observe the instructions in the safety data sheet.
Processing / Preparation
For optimum adhesion of liquid metal Alu, we recommend degreasing the surface before use. For this 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 repeated application, whereby the individual layers should be cured before the next layer is applied. Maximum layer thickness: 2mm - 3mm

The applied metal spatula cures within 2 hours. After this time, the above-mentioned follow-up layers can be applied, in the case of multi-layer applications. The curing takes place within 2 hours at + 20 ° C room temperature.

Cans and jugs must be securely closed again after use Diamant Liquid metal Alu and Diamant thinner are flammable.
Flash point below + 21 ° C / 70 ° F.

Disposal
Unused residual material from the cans, if mixed in the correct mixing ratio and completely cured, can be disposed of normally (EAKV 170203). Unmixed material must be disposed of as chemical waste (EWC 080111).