

TECHNICAL DATA SHEET

Liquid Metal Fe 1

Art. no. 0893 449

P. Qty.: 1

Fast-acting repair system, ideal for installers and workshops in the metal processing sector.

Possible applications are:

- Abrasions on pump housings, impellers, propellers, rudders, heat exchangers, condensers, dust lines, slides, chutes, pins, broken threads
- Sealing leaks on radiators, tanks, water containers, water lines, oil lines, housings
- Cavities in grey cast iron during casting, grey cast iron during processing
- Running-in damage on shafts, hydraulic cylinders, engine blocks, bearing seating, crank houses
- Manufacturing of moulds, holders, models, guides, prototypes



Mixing ratio	Component A: Component B = 1:1
Density	2.8 kg/m ³
Density conditions	Components A and B mixed
Colour	Grey
Min./max. gelation time	7-12 min
Min./max. curing time	4-24 h
Fully hardening/curing conditions	Room temperature
Conditions for gelation time	at room temperature
Working life	5 min
Conditions for working life	at 20 °C, 20 g total mass
Viscosity/consistency	Pasty
Min. tensile strength	12.5 N/mm ²
Min. combined tension and shear resistance	14.5 N/mm ²
Coefficient of thermal expansion	0.0004 1/K
Min. compressive strength	70 N/mm ²
Min./max. temperature resistance of the hardened material	-60 to 120 °C
Weight of content	500 g

Application area

Liquid Metal Fe 1 is a solvent-free, two-component substance that can be used to repair metallic and ceramic materials. Particularly suitable for filling moulds, and for sealing and covering leaking areas.

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Application information

The metals must be cleaned and degreased bare using acetone cleaner (art. no. 0893 460, 0893 460 001). Mix components A and B homogeneously 1:1. Apply the mixture immediately with a spatula (short pot life). The hardened liquid metal can be easily machined by lathing, milling, drilling, etc.

Please note the enclosed application instructions.

The usage instructions are recommendations based on the tests we have conducted and are based on our experience; carry out your own tests before each application. Due to the large number of applications and storage and processing conditions, we do not assume any liability for a specific application result. Insofar as our free customer service provides technical information or acts as an advisory service, no responsibility is assumed by this service except where the advice or information given falls within the scope of our specified, contractually agreed service or the advisor was acting deliberately. We guarantee consistent quality of our products. We reserve the right to make technical changes and further develop products.