

## ■ ultrametal Alu FL #2455

### Product description

ultrametal Alu FL is a high-quality two-component polymer material made for the repair of metals. The solvent-free epoxy resin system has a high chemical resistance and does not corrode.



### Characteristics

- Workable like metal: filing, milling, turning, drilling
- Perfect metal character due to up to 90% metal filing
- No shrinkage, perfect for large surfaces
- Long pot life
- High mechanical strength
- Chemical resistant

### Typical application

- Coatings of pumps, containers and heat exchangers
- Axle and shaft reparation
- Maintenance and Reparation of all metal parts
- Restruction projects

### Pack sizes

Article	Description
UMC 250g	

Custom sizes on request.

### Product data condition of delivery

Hue	grey
-----	------

Density	2,55 g/cm <sup>3</sup>
Mixing ratio	(#2455A to #2450) 68 to 32
Pot life	45-55 minutes for 100g at 20°C
Curing curing	slightly loadable after 18 hours Cured after 24 hours
full chemical loadability	after 4-5 days

### Product data (outreacted product)

Strength	85
Temperature resistance (permanent)	160 °C

### Storage / durability

Store dry and frost-free in the unopened container. Durability 24 months. Avoid direct sunlight. Higher temperatures reduce the durability.

### Preparation/processing

Adhesion surfaces have to be roughed and cleaned with DIAMANT cleaner. The surface has to be dry and clean.

### Mixing

Pour the hardening liquid (#2450) in the given mixing ratio onto the resin component (#2455A). Mix the components manual with the spatula or mechanical (Propeller-Mixer, at 125 U/Min. for 2 Min.) until the hardener is completely mixed with the viscous resin. Any material which is sticking to the bottom or sides of the container has to be mixed in with the rest of the mixture completely. The material should be used immediately after mixing

### Curing

The treated surfaces can be used for light application after 18 hours. After 24 hours the surface is completely cured and is resilient completely.

## Disposal

Any material which is not used, mixed correctly and completely cured can be disposed normally (EAKV 170203). Not mixed material has to be disposed as chemical waste (EAKV 080111). If booked the DIAMANT-service team will dispose the waste.

Further information can be found in the service data sheet

## Safety data sheet

Please read the relevant safety data sheet before processing the product. Safety data sheets are available daily on request via [info@diamant-polymer.de](mailto:info@diamant-polymer.de) or by phone at +49-2166-98 360. DIAMANT guarantees the product characteristics as long as they are stored and used according to the specifications listed here. DIAMANT assumes no responsibility for the processing of the material. For further questions, our technicians will help you.

## disclaimer

The following replaces the Buyer's documents. The Seller does not make any representations or warranties, express or implied, including as to merchantability or fitness for a particular purpose. Although the notices and information contained in this document are based on our own findings and are considered reliable, we cannot accept any responsibility for the suitability or results of further processing of the products described, nor can we accept any responsibility for any loss or damage caused directly or indirectly by the processing of our products. The processor is obliged to test the quality, safety and other relevant properties before using the described products. We guarantee the flawless quality of our products in accordance with our General Terms and Conditions. The Buyer's sole remedy and the Seller's sole liability for any claims are the Buyer's purchase price. No reference in this document may be construed as an incentive, recommendation or permission to disregard existing intellectual property rights. When handling our products, the occupational hygiene and legal regulations must be observed. For the rest, please refer to the corresponding safety data sheets.

This issue replaces all previous versions