

■ ultrametal Iron FL #2453

Product description

Ultrametal iron 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
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W15 35kg	
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Custom sizes on request.

Produktdaten Anlieferzustand

Hue Komponente A (Harz)	Grey
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Storability	Store dry and frost-free in the unopened container. Durability 24 months. Avoid direct sunlight. Higher temperatures reduce the durability.
Density	Spec. weight [g/cm ³] 2,3
Mixing ratio Harz / Härter [Volumen]	#2453A to #2450 68 : 32
Pot life	at (+20°C) 100g the Pot life is 45 to 55min
Curing Full chemical resistance	The treated surfaces can be used for light application after 18 hours. After 24 hours the surface is completely cured and is resilient completely
Mechanical machining (+20°C) [h]	after 24
complete chemical resistance after (days)	7

Product data (reactive product)

Compressive strength	120 N/mm ²
Strength	85
Temperature resistance (permanent)	160 °C
Farbe	black
Geruch	Werteintragung
Porengröße	Werteintragung mm

custody / durability

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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 (#2452A). 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.

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.

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 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.

Werteintragung

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This issue replaces all previous versions