

ultrametal Iron FL rapid

Product number #2457

Product description:

ultrametal Iron FL rapid 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, drehen, drilling
- Perfect metal character due to up to 90% metal filling material
- No shrinkage, perfect for large surfaces
- Short pot life
- High mechanical strength
- Chemical resistant

Typical application:

- Coating of pumps, containers and heat exchangers
- Axle and shaft repair
- Maintenance and Repairation of all metal parts
- Restructuring projects

Package sizes (kpl.)

Double pack (resin and hardener):
250g / 500g / 1.000g
Large packages upon request

Important notes:

Please consider the information given in the safety data sheet.

Technical data

Technical data	Rapid hardener #2451
Pot life (+20°C) [Min.] 100g	8 to 15
Mechanical machining (+20°C) [h]	after 4
Spec. weight [g/cm ³]	2,3
Hardness [Shore D]*	85
Temperature resistance permanent [°C]	-32 up to +160
Complete chemical resistance after [days]*	2 - 3
Mixing ratio #2453A to #2451	67 to 33

* Values at 20°C and 50% r.F.

Technical data sheet

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 (#2451) in the given mixing ratio onto the resin component (#2453A). 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 2 hours. After 4 hours the surface is completely cured and is resilient completely.

Storing/durability

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

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.

Qualification and service:

It is recommended that the application is performed by schooled DIAMANT technicians. To guarantee the best possible quality and a correct application, we offer the following services:

- Consultation on the phone or/and in person on your construction site
- Construction site supervision and supervision of the work on site.
- Complete application performed by our experienced application technicians.

Further information can be found in the service data sheet.

www.diamant-polymer.de/en/installation-service/

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The listed technical data were determined under laboratory conditions and verified by quality assurance processes at the day of production. Changes are reserved and can be implemented without previous information. The customer is responsible for the verification of data topicality and should be requested before the material ordering at DIAMANT. Application, use and processing of the products happen outside of our control options and therefore lie entirely in the area of responsibility of the customer. Should nevertheless a liability come into question so is this liability limited to the value of the items delivered and used by you. We guarantee the perfect quality of our products according our general sale and delivery conditions. All technical data can differ depending on burden and operating conditions. Specific application data will be provided upon request in every individual case.