

ultrametal Iron-Fix #2645

Product description

The epoxy repair putty is a two-component system designed for the quick and durable repair of casting defects, voids, and irregularities in metals. The material offers strong adhesion to various substrates and is characterized by its excellent mechanical properties.

Charateristics

- High mechanical strength
- Excellent adhesion to metals
- Temperature resistant up to 140 °C
- Chemical resistant
- Easy to apply

Typical applications

- Repair of casting defects
- Fixing voids and surface irregularities
- Reinforcement of weakened metal structures
- Sealing of pores and cracks



Available in the following versions

ARTICLE	PRODUCT	DESCRIPTION
#2645	ultrametal Iron-Fix	1 kg, special sizes on request

Product data condition of delivery

PORPERTIES	VALUE	
	Iron-Fix resin (2645A)	Iron-Fix hardener (2645B)
Density	1,39 g/cm ³	1,44 g/cm ³
Viscosity	Pasty	Pasty
Colour	Metallic (iron)	Grey
Mixing ratio by weight	(A:B) 66,7:33,3 [g]	
Application temperature	+5 °C to +40 °C	

Product data mixed

PORPERTIES	VALUE
Stability	8 mm
Pot life	120 min

Product data reacted product

PROPERTIES	VALUE
Mixed density	1,41 g/cm ³
Shore D hardness	86
Pressure resistance	105 N/mm ²
Temperature resistance (permanent)	140 °C
Final strength after	24 h

Storage / shelf life

Store in the original, unopened container in a dry, cool and frost-free place (5°C to 25°C). Shelf life 2 years Protect from direct sunlight. Higher temperatures reduce the shelf life.

Processing

1. Preparation

- Surface preparation: Clean, degrease, and roughen the metal surfaces.
- Mixing: Thoroughly mix resin and hardener in the specified ratio.
- Application: Apply the mixed putty to the prepared surface within the working time.

2. Application

Apply with a palette knife or spatula.

3. Curing

Working time 120 minutes at 20 °C.

Final mouldability after approx. 180 minutes at 20 °C.

Complete curing after 24 hours.

Mechanical processing possible after complete curing.

Disposal

Do not empty into drains or water courses. Waste and containers must be disposed of in a safe manner. Disposal according to Directive 2008/98/EC on waste and hazardous waste. Proposal list of waste keys/waste names according to ECAC 080 111* Waste colours and varnishes containing organic solvents or other hazardous substances *Hazardous waste according to Directive 2008/98/EC (Waste Framework Directive). Non-contaminated and empty packaging can be recycled. Containers that are not emptied properly are hazardous waste.

Safety Data Sheet

Please read the relevant safety data sheet before processing the product. Safety data sheets are available on a daily basis on request via info@diamant-polymer.de or by telephone on +49-2166-98360.

DIAMANT guarantees the product properties as long as they are stored and used in accordance with the specifications listed here. DIAMANT accepts no responsibility for the processing of the material. Our technicians will be happy to answer any further questions you may have.

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The technical data listed here was determined under laboratory conditions and verified by quality assurance processes on the day of product manufacture. We reserve the right to make changes without prior notice. The customer is responsible for verifying the up-to-dateness of the data and should contact DIAMANT before ordering the material. Application, use and processing are beyond our control and are therefore the sole responsibility of the purchaser. Should liability nevertheless arise, this is limited to the value of the goods supplied by us and used by you. We guarantee the flawless quality of our products in accordance with our general terms and conditions of sale and delivery. All technical data vary depending on the loads and conditions of use. We will provide specific application data on request in each individual case.