

## ■ ultrametal Iron Smart P #2467

### Product description

Ultrametal Iron Smart P is a high-quality two-component filled polymer material for repairing and touching up metals. The solvent-free epoxy resin system has high chemical resistance and does not corrode. The product is bisphenol A free and available in cartridges available in cartridges.



### Properties

- Can be machined like metal: filing, milling, turning, drilling
- Perfect metal character No shrinkage, therefore ideal for use on large surfaces
- Long pot life
- High mechanical strength
- Can be painted over
- Mechanically workable

### Typical applications

- Coating of pumps, tanks and heat exchangers
- Axle and shaft repairs
- Maintenance and repair of all metal parts
- Refurbishment projects

### Accessories

- Manual discharge device (discharge gun) (item no. #179)
- Cleaner (item no. #1417)
- Scraper (item no. #78)

### Pack sizes

#### Article

50ml

#### Description

500g

Custom sizes on request.

## Product data condition of delivery

Hue	Grey/silvery
Viscosity Comp. A - resin	100.000 mPas - 110.000 mPas
Comp. B - hardener	138.000 mPas - 170.000 mPas

## Product data outreacted product

Density	1.21 g/cm <sup>3</sup>	
Strength	75	
Temperature resistance (permanent)	160 °C	
Mixing ratio	1:1 in volume	
Pot life	50-60 minutes	
Liability deduction values	9,05 MPa	
Compressive strengths	39 N/mm <sup>2</sup>	Prism 10x10x40
Compressive strengths	44 N/mm <sup>2</sup>	Cube 10x10x10
Metal content	1,25 %	
Stability	5,7 mm	Layer thickness
Curing Complete	5 hours at 20°C	
Curing with forced drying	30 minutes (IR emitter)	

## Storage / Shelf life

Store in the original, unopened container in a dry, cool and frost-free place. Shelf life 18 months. Protect from direct sunlight. Higher temperatures reduce the shelf life.

## Preparation / Processing

Roughen bonding surfaces and clean with DIAMANT Cleaner. The surface must be free of grease, dry and clean.

## Mixing

Use without mixing spiral:

-Squeeze out the required quantity from the cartridge and mix homogeneously in a separate container.

Use with mixing spiral:

-Discharge material over the mixing spiral and discard the first 2-3cm. Then start application.

## Curing

The treated surfaces can be used for light loads after 18 hours. After 24 hours the surface is fully cured and can be used for full loads.

## Disposal

Unused residual material from the cans can be disposed of normally if it has been mixed in the correct mixing ratio and has fully cured (EWC 170203). Unmixed material must be disposed of as chemical waste (EWC 080111). When booking the Diamant service team, waste will be disposed of by us.

## Safety Data Sheet

Please read the appropriate safety data sheet before processing the product. Material Safety Data Sheets are available on a daily basis upon request via [info@diamant-polymer.de](mailto:info@diamant-polymer.de) or by phone +49-2166-98360.

DIAMANT guarantees the product properties as long as they are stored and used according to the specifications listed here. DIAMANT does not assume any responsibility for the processing of the material. Our technicians will be happy to answer any further questions you may have.

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