

## iron cement #0099

### Productdescription

iron cement is a physiologically harmless, highly temperature resistant 1-component specialty putty for application temperatures up to +1600 °C. After curing iron cement, it protects moulds against hot, abrasive steel casting as a refractory repair putty for combustion plants, furnaces etc..

### Characteristics

- High temperature resistance up to 1600 °C
- Fire resistant
- Ready to use and easy to applicate
- Physiologically harmless

### Typical Applications

- Wear protection on cast steel moulds
- Joint filler on chamot bricks and chimney linings



### Available in the following versions

ARTIKLE	PRODUCT	DESCRIPTION
#0099	iron cement	1 kg, special sizes on request

### Product data delivery and processing status

PORPERTIES	VALUE
Colour	Grey
Curing Surface drying	At 20 °C approximately 120 minutes At 30 °C approximately 60 minutes At 50 °C approximately 45 minutes
Processing temperature	Application temperatures up to 1600 °C
Maximum layer thickness	Approximately 2-3 mm

## Product data, cured

PROPERTIES	VALUE
Colour	Grey
Temperature resistance (permanent)	+1.600 °C
Dry film thickness	3 mm

## Storage / shelf life

Store in the original, unopened container in a dry, cool and frost-free place (+10°C to +30°C).  
Shelf life 2 years.

## Preparation

For optimum adhesion of iron cement, we recommend degreasing the surface before application. We recommend the use of DIAMANT cleaner #1417 for this purpose.

## Application

The ready-to-use paste is applied with a spatula. It hardens quickly up to a layer thickness of approx. 2-3 mm. The applied filler hardens within 2 hours. After this time, subsequent coats can be applied. Curing takes place after approx. 2 hours at +20 °C room temperature.

## Curing

At 20 °C approx. 120 minutes/ 2 hours.

## 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 relevant safety data sheet before processing the product. Safety data sheets are available on a daily basis on request via [info@diamant-polymer.de](mailto: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.