

iron cement

Product number #0099

Product description

iron cement is a physiologically harmless, highly temperature-resistant 1-component special putty for application temperatures up to + 1600 ° C. After the hardening of iron cement, it protects molds against hot, abrasive cast steel. Furthermore, iron cement is excellently suited for the sealing of continuous mold casting plants and as a refractory repair putty for furnaces, etc.

Characteristics

- High temperature resistance up to + 1600°C
- Fireproof
- Ready to use and easy to use
- physiologically harmless

Typical application

- Wear protection on cast steel molds
- Joint fillers on firebricks and chimney liners

Package size

500g, 1.000g

Storage / shelf life

Store dry in the unopened original container, between 10°C - 30°C. Avoid direct sunlight. The shelf life is 24 months.

Important note

Please observe the instructions in the safety data sheet.

Technical data

Technical data	Value
Consistency	pasty
Maximum layer thickness	~ 2-3 mm
Temperature resistance [°C]	up to +1600°C
Curing time at + 20°C [Min.]	~ 120
Curing time at + 30°C [Min.]	~ 60
Curing time at + 50°C [Min.]	~ 45

All material values are average values and vary based on the mixing ratio, the amount of material and the environmental conditions. The material values given here are based on standard conditions (STP) of + 20°C (68°F) and 1013mbar.

Technical data sheet

Processing / Preparation

For optimum adhesion of iron cement, we recommend roughening of the surface by sanding and degreasing it. For this we recommend the use of DIAMANT cleaner (# 1417).

Application

The ready-to-use paste must be applied with a spatula. Up to a layer thickness of approx. 2-3 mm, rapid curing takes place. The applied spatula cures within 2 hours. After this time follow-up layers can be applied. Curing takes place in approx. 2 hours at + 20°C room temperature.

Disposal

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

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PT. PANCARAN KARYA ANUGRAH
Gedung Office 8, Unit 18-A, SCBD
Jl. Jendral Sudirman Kav. 52-53
Jakarta 12190 - Indonesia
Ph. +62-21 3049 0162
Fx. +62-21 3049 0163
Email info@diamant-polymer.id

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.

