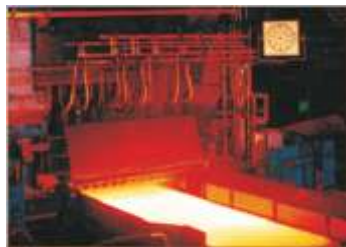


Fire Resistant Ready To Use



Protection coating of ingot moulds

iron cement is been used on ingot moulds or to protect and coat firing systems/furnaces.



Application

- ◆ Apply by spatular or finger in layers of max. 2 - 3 mm.

Typical Applications

- protection coating for ingot moulds of steel plants against high wear to extend the life-time of the mould
- seal, maintain and repair of seams, cracks, voids and defects in firebricks
- fire resistant filler and repair cement for fire places and ovens

Product Description

iron cement is a ready for use non-hazardous single component temperature resistant (up to +1600°C) special cement. After cure **iron cement** protects especially ingot moulds against hot and abrasive steel pour. It is also used to fill seams, cracks and voids in firebricks when constructing or rebuilding ovens and fireplaces. Cured **iron cement** will resist open flames and fire continuously. **iron cement** has been used for decades worldwide by known steel works like Mannesmann-Demag and Thyssen-Krupp.

Properties

- ◆ highly temperature resistant up to +1600°C
- ◆ fire resistant
- ◆ non-hazardous
- ◆ easy to apply, either by spatula or by fingers
- ◆ ready for use

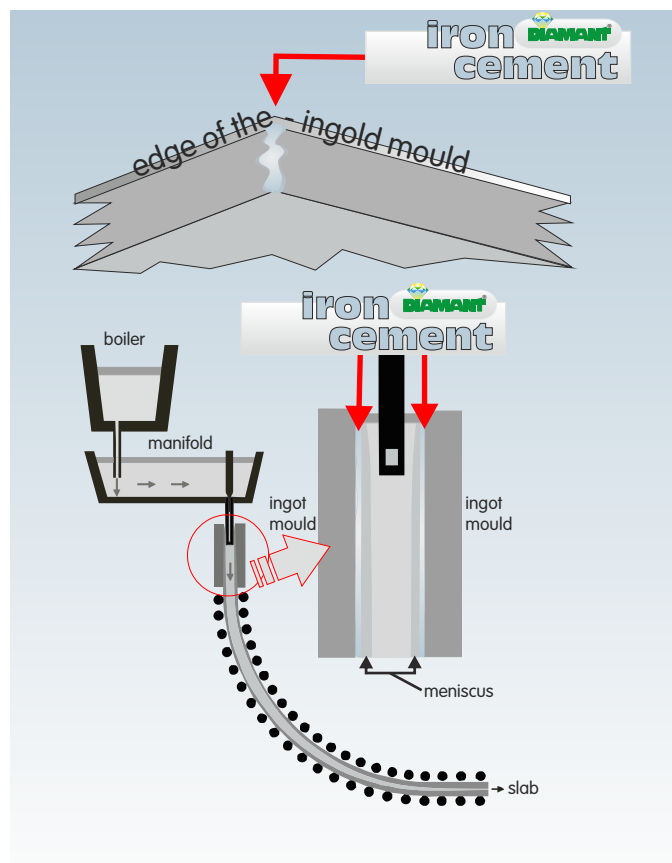
Material Selection Criteria

iron cement is a ready for use putty (single component system) to be used at temperatures up to +1600°C that is easy to apply.

Product Range

DIAMANT iron cement is available in the following version:

- ◆ **iron cement** #0099 paste-like



Technical Data

#0099

viscosity	paste-like
max. layer thickness	~ 2-3 mm
temperature resistance [°C]	up to +1600°C
cure time at +20°C [min.]	~ 120
cure time at +30°C [min.]	~ 60
cure time at +50°C [min.]	~ 45

Shelf Life

12 month

Pack Size

500g
1.000g

All material values are average values and vary due to mixing ratio, material quantity and environmental conditions. The mentioned material values are based on normal conditions (STP) of 20°C (68°F) and 1013mbar.

