



Revised edition 01/09

# AR-ED

## Highly exothermic and insulating material in prefabricated sleeves form for iron and steel casting.

### Properties and use:

AR-ED is the material used by Manguitos Arrosi in the manufacturing of sleeves with diameters under or equal to 150 mm., intended for feeding of pieces melted in iron, steel and all of the alloys of these metals.

The manufacturing process of sleeves in AR-ED quality ensures products with density between 0,60 g/cm<sup>3</sup> and 0,90 g/cm<sup>3</sup>, granting them a temperature peak over 1600°C as result of the exothermic reaction.

The sleeves made of AR-ED compound have been designed to be used by hand moulding, pressure moulding, blow explosion moulding and impact moulding in castings of iron, steel and all of the alloys of these metals:

- Carbon steel
- High and low alloy steel
- Stainless steel
- Hadfield steel
- Malleable iron
- Grey iron
- Nodular iron
- High and low alloy iron

It is not recommended the use of these sleeves in non ferrous metals castings (aluminium, copper, all of the alloys of these metals, ...).

### Shapes and Sizes:

Manguitos Arrosi shapes the exothermic and insulating sleeves made of AR-ED compound in several shapes and sizes. Most usual shapes are:

- Domed neck down K sleeves, in one piece
- Spherical F sleeves, in one piece
- Spherical K sleeves, in one piece

Shape and size customization<sup>1</sup> is also available in order to fit customer requirements and needs.

For further details, see the AR-ED sleeves catalogue.

### Storage

Keep in a dry place, under roof.

### Precautions

Keep away from intense heat sources that can ignite it. In case of accidental ignition, put out with silica sand. Do not use water.

<sup>1</sup> on demand