

MgPro 100 COVER MATERIAL

MgPro 100 serves to provide protective cover for spheroidizers used for ladle treatment by means of the sandwich process. Traditionally, iron chips and steel shavings have been used for this purpose.

MgPro 100 is a powder whose color ranges from grey to black. When used, it does not generate fume and does not affect negatively molten iron. It is not hazardous for personnel.

A batch of a spheroidizer is fed into a ladle, it is then covered with a uniform layer of **MgPro 100**, after which molten metal is poured into the ladle.

The cover material makes it possible to:

- reduce metal heat losses from the melt in the ladle, which will make it possible to lower energy consumption
- optimize consumption of the spheroidizer being used as it allows the modification process to proceed calmly
- improve the iron foundry environment as it reduces generation of flame and fume that accompany interaction of molten metal and magnesium.

Consumption depends on the capacity of the treatment ladle and the size of the spheroidizer being used and may be between 4 and 7 kg per 1 ton of molten iron.

Packaging:

- polymer bags with capacities of 1.5-5 kg packed into big bags
- paper bags with capacities of 5-25 kg packed into big bags.

MgPro 200 DESULFURIZER

The **MgPro 200** desulfurizer serves to remove some of the sulfur contained in irons in electric arc and induction furnaces and in pouring ladles.

The **MgPro 200** desulfurizer comes in sizes up to 10 mm. It is filled into individually portioned tight polymer bags. It is not hazardous for personnel, and it does not affect negatively molten iron.

Application:

After the charge materials are melted in the furnace and the slag that formed is tapped, the **MgPro 200** desulfurizer is placed on top of the molten iron. As the iron is being treated by the desulfurizer, its temperature should be maintained between 1500 and 1550°C for the duration of 3-5 minutes. After this, the newly formed slag is tapped. If necessary, the iron should be treated additionally by the **MgPro 200** desulfurizer in a ladle.

Consumption: 8-12 kg/t

Packaging:

- polymer bags with capacities of 2-5 kg packed into big bags