

# KARBOSIL 1 – 10 mm

SiC METALLURGICAL 90 %

## DESCRIPTION

**KARBOSIL** is a product for addition of Si and C in the molten iron. It is used in the production of synthetic iron, which required lower values of sulfur and nitrogen.

## ACTION

**KARBOSIL** is dissolved in the melt and thus increase the proportion of Si and C in it.

## INSTRUCTIONS FOR USE

**KARBOSIL** is used for the addition of Si and carburization of melt in induction furnaces. It enables us to produce high-quality synthetic iron from steel scrap.

Before melting we fill the required amount of **KARBOSIL** together with input into induction furnace. In calculating of needed quantity of **KARBOSIL** count with about 95 percent resource efficiency. Since the dissolution rate of carbon in the iron depends on the proportion of silicon and phosphorus, by reason of this are added only after completion of melting. Dissolution rate is proportional to the temperature of the iron.

## PACKING

**KARBOSIL** is packed in big bags at net cca. 1000 kg each.

## STORING AND TRANSPORT

**KARBOSIL** must be protected against atmospheric precipitation's in transport and storing.

According to the European regulations for international road transport of dangerous goods, **KARBOSIL** is not a dangerous substance.

## PROPERTIES

Content SiC	90.00 % min
Content Fe	0.50 % min
Content Al	1.00 % min
Content S	0.10 % min
Content SiO <sub>2</sub>	3.00 % min
Content C	3.00 % min
Content moisture	0.50 % min
% Si from SiC	50.00 %
% C from SiC	21.00 %
Grain size:	0 – 1 mm, 1 - 10 mm