

INOCULLOY 63

Inoculation Alloys

Application

INOCULLOY 63 is a highly effective inoculation alloy based on FeSi with the effective inoculating elements calcium, barium and manganese. It is used both for cast iron with lamellar graphite as well as for cast iron with nodular graphite. The combination of the elements calcium, barium and manganese results in significant chill reduction and reduces section sensitivity when compared to other inoculants. As a result of the excellent inoculation action, the amount added can be reduced by up to 1/3 in comparison to a FeSi inoculant.

Reference analysis

% Si	60 – 65
% Mn	7 - 12
% Ba	4 - 6
% Al	1 – 1.5
% Ca	1.5 – 3.0
% Fe	residual

Addition rates

The added amount is approx. 0.05 – 0.6% by weight.

Sizing

0.2 - 0.7 mm* (In stream inoculation)

0.6 - 2 mm (Ladle inoculation)

* In this grain size the Si content is somewhat below the value indicated above.

Packaging

- 25 kg paper sacks on pallet
- 100 kg steel drum on pallet
- 1000 kg super sacks on pallet

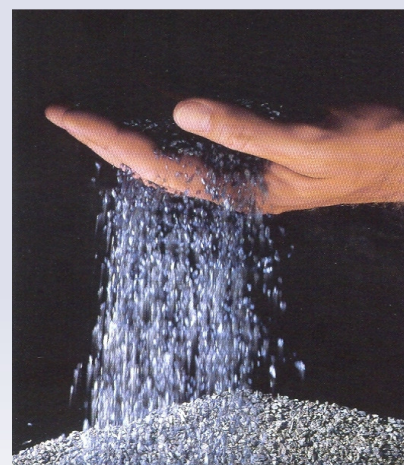
The containers must be covered with a protective film.

Shelf life and transport

INOCULLOY 63 can be stored indefinitely in its original packaging. The effects of humidity are to be avoided. Relevant hazardous substance regulations must be complied with. Our Shipment Handling department can provide further information. INOCULLOY 63 is not a hazardous substance as defined by transport regulations.

Technical properties & economic benefits:

- Good dissolution
- Long-lasting inoculation effect
- Chill reduction
- Uniform graphite precipitation
- Improved mechanical properties



Product Management Metallurgy

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The data in this information sheet corresponds to the current state of our knowledge and is intended to provide information on our products and their potential applications. It is not therefore sufficient to assure certain properties of the products or their suitability for a concrete intended use, and does not contain any complete instructions for use. It also does not represent any guarantee of condition and durability and the user is not exempted from testing the suitability and potential applications for the intended purpose. Any extant intellectual property rights must be taken into account. The Environment and Quality Management of ASK Chemicals Metallurgy GmbH is certified and fulfills the requirements of ISO 14001 and ISO 9001. This information sheet shall cease to be valid if a new version is issued.

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