PRODUCTS FOR METALLURGIC INDUSTRY FOUNDRIES AND STEELWORKS









FOUNDRY COATINGS

Refractory coatings are applied to sand moulds and cores in foundries (steel castings, grey cast iron and ductile iron, and non-ferrous metals).

By creating a high temperature barrier over the entire coated surface between casting and substrate (mould or core), these coatings reduce the thermal shock caused by sand substrate.

Coatings ensure a smooth mould surface, improve its strength, reduce reactions between the substrate and melt, and provide homogeneous/smooth surface of castings. Applying refractory coating also prevents certain faults, i.e. segregations, burnt-in sand, bulges/recesses and others.

Different applying processes can be used for our coatings - dipping, spraying, pouring and applying with brush - providing flexible use in production processes specific to individual foundries.

Efficient coating must provide the following features:

- Sufficient refractory quality to prevent melt ingress into substrate
- Good adhesiveness to substrate and good covering characteristics
- Do not cause scaling, blistering or cracking in drying process
- Good suspension and mixing characteristics
- Good storage stability
- Good adhesiveness





FOUNDRY COATINGS

For warm tools

LOČILEC

GS/C

moulds and cores



THERMAL INSULATING MATERIALS FOR STEELWORKS

Thermal insulating coverings are pre-formed highly refractory models for thermal insulation of heads in classic ingot casting.

They are made on the basis of highly refractory fillers, fibres and binders. For special needs and requirements of our customers, we develop and produce INSULATION COVERINGS in insulation or exothermic-insulation quality, adjusted to required shape, dimensions and functionality.

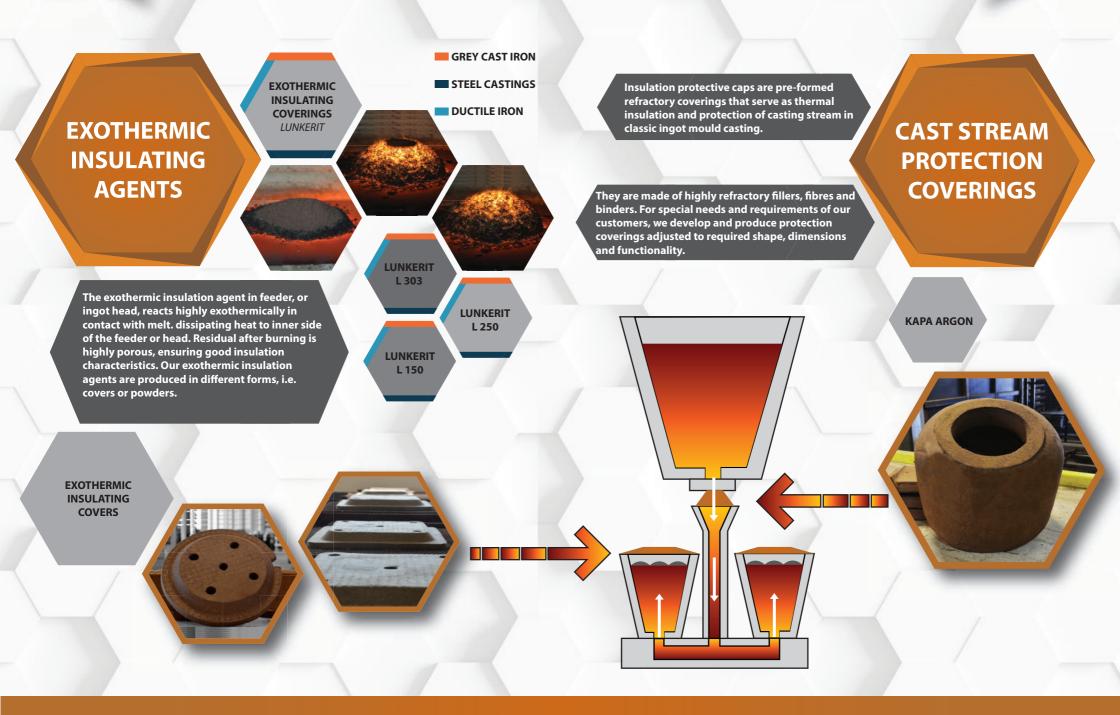
We divide our thermal insulating products in three groups:

- INSULATION COVERINGS
- CAST STREAM PROTECTION COVERINGS
- EXOTHERMIC INSULATING COVERINGS





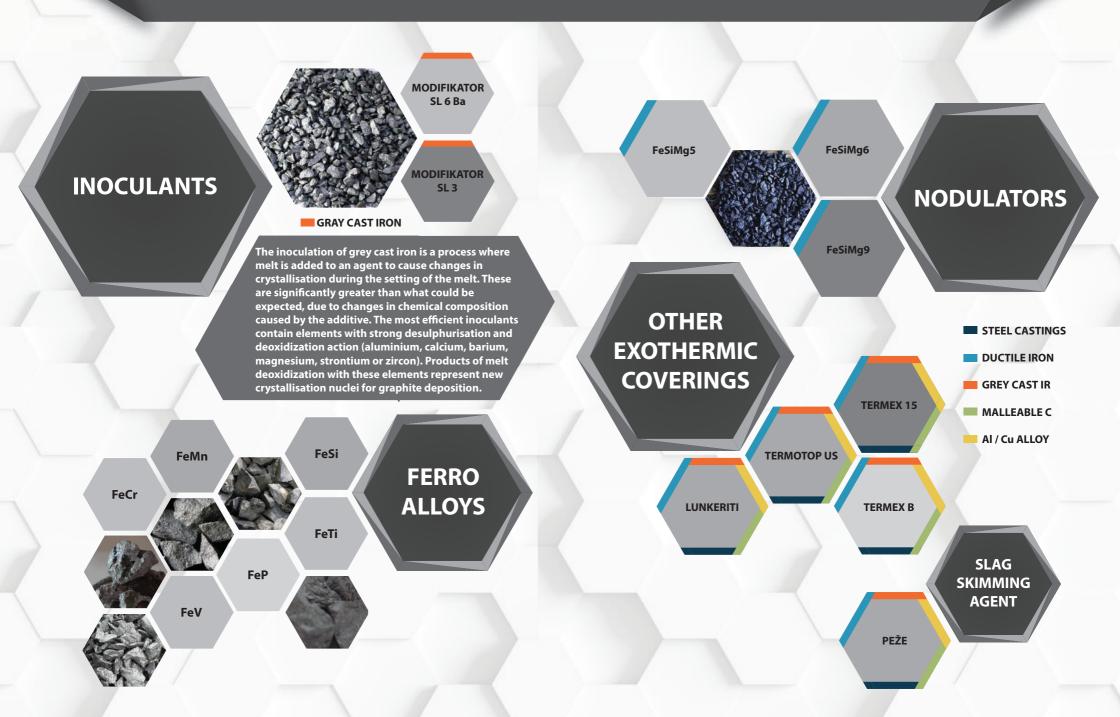
THERMAL INSULATING MATERIALS FOR STEELWORKS



OTHER PRODUCTS



OTHER PRODUCTS

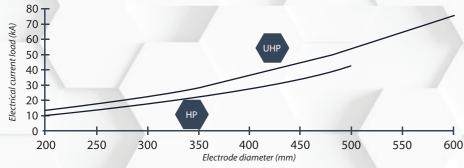


SALES REPRESENTATIVE

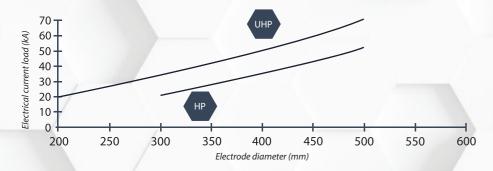


HENSCHKE GmbH is our international partner for graphite electrodes and graphite products and intermediate products.

MAXIMUM ELECTRIC CURRENT FOR ELECTRIC ARC FURNACES



MAXIMUM ELECTRIC CURRENT FOR LADLE FURNACES



EXOTERM-IT d.o.o. is the exclusive representative of the MAGMA Gmbh Company, Germany, for the MAGMASOFT® software kit in Slovenia, Croatia, Serbia, Bosnia and Herzegovina, Montenegro and Macedonia.



MAGMASOFT ° is a comprehensive and efficient optimisation tool for improving the quality of the casting process, optimising process conditions and decreasing production costs. Virtual test planning (DoE) and autonomous optimisation methodology allows for the identification of robust process parameters and to optimise founding technology to all types of melts and casting processes, including heat treatment and melt metallurgy - both efficiently and comprehensively.

The MAGMASOFT® software kit enables automated achieving of the optimal balance between different quality requirements and costs.