insertec
Furnaces & Refractories

Based on your production process and the characteristics of your equipment, we design a new product or adapt an existing one, taking into account a wide range of parameters.

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INSETAG \

REFRACTORY SOLUTIONS
for induction furnaces

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Insertec Refractory Solutions \

Integral solutions for the heat industry

Turnkey plants, services and refractories for the metallurgical industry

The confidence you expect from a large company with the agility you need in your day-to-day business.

Knowledge
- Technical service
- Innovation and technology

Sustainability
- Sustainability and environmenty

Efficiency
- Global presence
- Production and logistics capacity
- Digital transformation
- Maintenance

Laboratory

Insertec has a laboratory in each of its production centers.

Here, we help our clients to optimize their processes and facilities.

Engineering and projects

Our knowledge of furnace engineering and manufacturing helps us produce better refractories, and our deep knowledge of refractories helps us design better furnaces.

We accompany you throughout the process.

Performance improvement \
Monitoring and maintenance \
Energy efficiency \
Drying and start-up \

GAMA INSETAG

This product family has been developed at the same time as our customers changed their production processes.

This is how the TOP- TAG range was born, designed for crown cladding, a very demanding area.

INSETAG 88 C2, for furnaces with large capacity (30 ton) and working in discontinuous.

It is a material with a very good response to thermal shock and very homogeneous in its behaviour, improving the performance of the lining in all the tests carried out.

Insetag 88 C2 \

Dry vibratable mass for traditional furnace

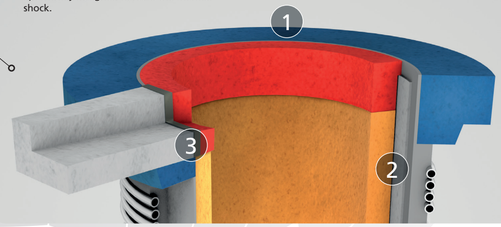
- Main component: white fused alumnina
- Max service temp.: 1800
- Density: 3000kg/m^3

Dry mix based on high purity corundum and high quality sintered magnesia forming spinel. A robust lining featuring excellent corrosion, erosion and thermal shock resistance.

Specifically, for Lining of coreless induction furnaces for melting a wide range of steels as we as other application areas.

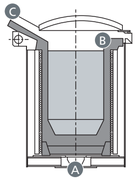
Top-Tag \ Furnace top zone improvements

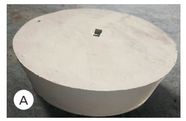
Continuous patching:
- This material prevents continuous patching.
- Thermal shock:
- Specifically designed to resist the thermal shock.



1. **Mechanical**
   - Larger sintering layer.
   - Resistance to impacts and erosion.
2. **Solution toiexpansion between working layer and the top layer**
   - Same raw material in all refractories.
   - No joints between layers.
3. **Critical point**
   - A solution for the joint between working layer and spout.

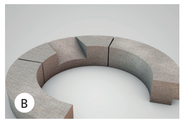
Precast shapes \





CIF push-out block \

CIF spout \



CIF ring \

Floor tiles \

EROCRETE

Many floors have problems in the areas around the furnace that are exposed to extreme conditions:

- Shocks.
- Heavy traffic.
- Melted metal spills and slag.
- Thermal variations, and so on.

EROCRETE floor tiles have been solving these problems for more than 15 years, drastically reducing the need for repair and maintenance of these areas

Tools & Consumables \

Insertec offers its customers a good service based on innovative installation techniques and an experienced and qualified team.

Vibrators \

Micanite \

Microporous Insulation Board \

GARBI-HIC \ Induction furnace | Steel industry

A robotized solution to minimize human risk and exposure at induction furnaces.

The melting process could be relied on data-based decisions, and thus, optimizing process duration and maintenance schedule with the support of a fully automated and tailor-made system.