



GRECIAN MAGNESITE



IRON&STEEL
THE PERFECT CASTING

WE ARE
GRECIAN
MAGNESITE

YOU KNOW
WHAT YOU GET





**MAGNESIA
OUR TOP QUALITY ORE PROVIDES
TOP QUALITY RAW MATERIALS**

**MORE THAN 50 YEARS
OF KNOW-HOW IN MAGNESIA PROCESSING**

FLEXIBILITY – CUSTOMER ORIENTATION

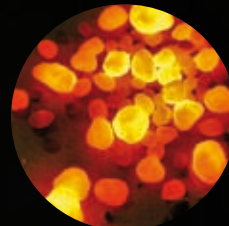
**WIDE RANGE OF PRODUCTS
& APPLICATIONS SERVED**

QUALITY CONSISTENCY

COMPETITIVE PRICES

**STATE OF THE ART
REFRACTORY PLANT**

**EXPERIENCED R&D DEPARTMENT
& APPLICATION ENGINEERS**



WE KNOW MAGNESIA **BETTER**

Grecian Magnesite is a magnesia specialist established in 1959. The company mines, processes and sells a wide range of application-specific products of magnesium oxide with an annual capacity of 200,000 MT.



Grecian Magnesite's open cast mines and production facilities are located 70km south-east of Thessaloniki, Greece. The magnesite ore is of exceptional quality, with low trace elements, undesirable substances and high levels of consistency.



Grecian Magnesite additionally holds shares in several other magnesia companies, including Akdeniz Mineral Kaynaklari A.S. of Turkey, Magnesitas Navarras S.A. of Spain and Van Mannekus & Co B.V. of the Netherlands.

WE MINE **OUR OWN**

Using our own mineral, extracted from our own mines, gives us the advantage of working with materials of stable chemical composition and physical properties. For more than 50 years already and for another 50 at least to come.

SUPPLYING OUR OWN **REFRACTORY PLANT**

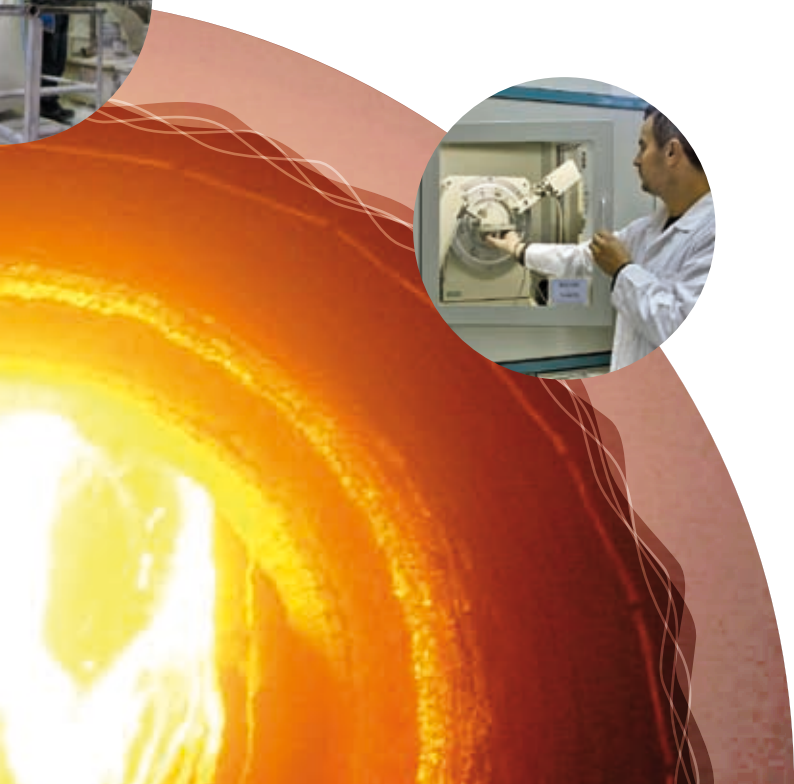
With the "in-house" use of our own raw materials (DBM) we are always in position to provide you with superior refractory products of consistent quality at competitive prices.

Our Refractory Plant uses the latest available technologies and is equipped with a modern computerized process control to ensure reliability at all stages of production.

FLEXIBLE SOLUTIONS **CUSTOMER ORIENTATION**

We adapt our products to our clients requirements. We provide equipment for the application of our products / experienced trainers & supervision.





OPERATING UNDER THE STRICTEST **QUALITY STANDARDS**

Rigorous testing procedures and statistical process control are employed at every stage of the production, from the mining of the mineral deposit through the dispatching of the final product. Grecian Magnesite's products are supplied to stringent specifications. All products are fully verified for key properties to ensure that they conform to specification.

FOR YOUR **TIMELY DELIVERY**



Being at the center of the world, we can deliver anywhere. With customers in 50 countries around the globe, we have refined the art of distributing Magnesia safely, quickly and cost effectively. Paper bags, big bags or bulk – trucks, containers, rail or vessels. It is up to you.



MARKETS & PRODUCTS

BASIC MONOLITHIC REFRACTORIES

Grecian Magnesite produces and commercializes a great variety of basic unshaped refractory products, covering applications such as gunning, dry ramming, dry fettling, tundish coating mixes and EBT fillers. Our products are used in the Iron & Steel industry in various stages of the production process.

The most important applications as well as their benefits are:

MARKETS



Electric Arc Furnaces

Recommended Products

GRECMAGN GUN
GRECMAGN RAM
GRECMAGN FRIT



Converters

Recommended Products

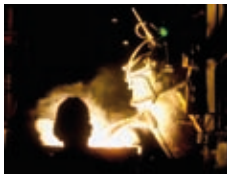
GRECMAGN GUN



Tundishes

Recommended Products

GRECMAGN TUN



Auxiliary

Recommended Products

GRECMAGN GUN
GRECMAGN RAM
GRECMAGN TAP



Ladles

Recommended Products

GRECMAGN GUN

PRODUCTS

GRECMAGN GUN series of products are Magnesia based gunning mixes for hot repairs of BOF, EAF, Converters and Ladles, chemically bonded with two main types of bonding systems, phosphate and silicate. Other bonding systems are also available.

GRECMAGN TUN series of products are Magnesia based tundish coating mixes applied on the working lining of tundishes by spray machine or in dry form or by shovelling. The special grades of DBM used in this type of products with a forsteritic SiO_2 / CaO ratio and high hydration resistance lead to high quality spray or dry Tundish products.

GRECMAGN RAM series of products are Magnesia based dry mixes for the initial lining and repairs of the bottom (hearth) of the EAF. It is applied by ramming or vibration. GRECMAGN RAM products are also used for the repairs of the tap hole area, the tapping launders of the EAF, the runners and where a special shape is required. In this case material is applied by casting or gunning.

GRECMAGN FRIT series of products are Magnesia based dry fettling oiled mixes for hot repairs of hearths and lower banks of EAF. FRIT'S grain size distribution allows them to obtain excellent density.

GRECMAGN TAP product is olivine based high refractory mix, used as filler in the Eccentric Bottom Tap hole.



Magnesia based refractories (basic refractories) have the ability to withstand high temperatures, show high resistance to basic slags and sufficient strength to withstand mechanical abuse and abrasion in hot environments. Also where steel cleanliness is of the highest importance, basic refractories are recommended.

Grecian Magnesite produces and commercializes both high quality refractory raw materials (deadburned magnesia, olivine) which are sold selectively to various refractory producers around the globe as well as vertically integrated products (basic monolithic refractories), sold directly to the steel plants.



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