



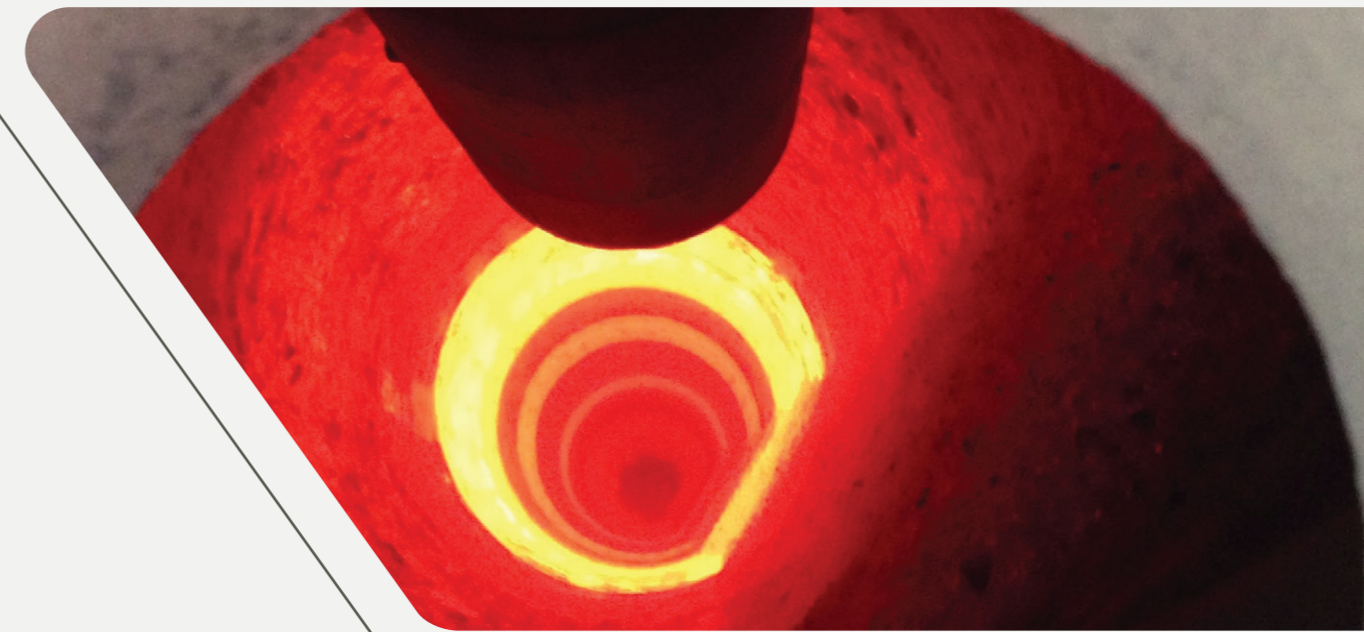
ISOMAG[®] Insulation Systems



Pyrotek[®]

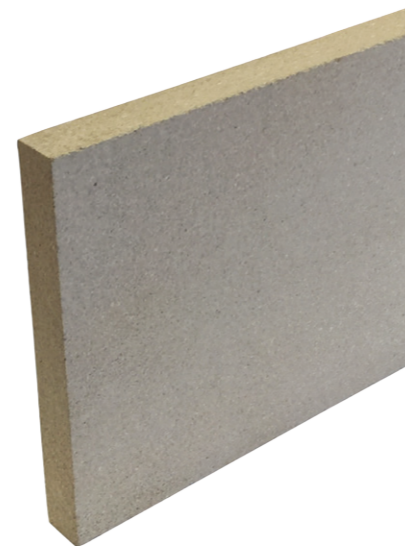
Why Pyrotek?

Pyrotek® is a global engineering leader and innovator of performance-improving technical solutions, integrated systems design and consulting services. Steel and other metals companies worldwide rely on Pyrotek to help them improve extreme temperature performance. Our products and solutions are used globally in auto, aerospace, rail transportation and high-tech manufacturing.



Meeting a Need

At operating temperatures, Pyrotek's ISOMAG® structural insulation board offers an optimum balance between excellent insulating properties and high strength that improves the thermo-mechanical stability of refractory systems in iron and steel-making, as well as mineral treatment applications. This provides lining tightness and resistance to metal penetration. The forsteritic board reduces thermal shock and skull buildup, increasing productivity and operating efficiency. It provides excellent strength and dimensional stability up to 1000°C (1830°F).



Benefits of Pyrotek ISOMAG structural insulation board:

- Reduced temperature loss of molten metal and liquid steel during residence time
- Better lining stability
- Cost and energy savings
- Improved safety
- More uniform casting temperature
- Higher productivity

Pyrotek offers several formulations of ISOMAG board to suit a variety of iron, steel, minerals, cement and lime processes.

ISOMAG 70 XCO and 55 XCO qualities provide excellent strength and dimensional stability up to 1000°C (1830°F).

ISOMAG 70 XCO

Applications:

- Ladles
- Torpedo cars
- Tundishes
- Blast-furnace main runners
- Basic oxygen furnaces
- RH degassers
- Electric arc furnace sidewalls and bottoms
- Vertical and rotary kilns

ISOMAG 55 XCO

Applications:

- Ladles
- Tundishes
- RH degassers
- Vertical kilns



ISOMAG 175 XCO is a high-strength insulation board, suitable as an electrical insulator or a thermal barrier material in a variety of industrial applications. It is incombustible and can be purchased in full sheets, or it can be machined to specification.

Applications:

- Rotary kilns
- Platen press insulation
- Arc chutes
- Resistor grids
- Induction furnaces
- Pot pads
- Buss support installation
- Steel converters (top cones)

ISOMAG® is a registered trademark of Pyrotek Inc.





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