



## INGOT HOT TOP BOARDS

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**DESCRIPTION:** Hot Top for Ingot Molds are manufactured exactly to the shape and size of Ingot Molds. The dimensions and thickness of the boards are designed to the requirements of each Steel Plant's ingots, depending on shape and requirements to meet strict dimensional tolerances and individualized applications.

**USES INCLUDE:** Ingot boards can be in both insulating and exothermic qualities and include the following advantages: good insulation character, easy application, no preheating requirement, easy removal, and highest resistance against slags.

### TYPICAL AS RECEIVED CHEMICAL ANALYSIS and GENERAL PROPERTIES

Quality	Exothermic Board	Insulating Board
SiO <sub>2</sub>	25% ±2.0	80% min.
Al <sub>2</sub> O <sub>3</sub>	42% ±1.0	2% max.
Al (Metallic)	Yes	0%
Density g/cm <sup>3</sup>	0.50 -1.50	0.65-0.85
L.O.I	13% ±0.50	11.0-15.0 @ 900°C, 1.5hr.
Modules of Rupture	2.00 min.	
Ignition time	240-280 sec	
Max temperature	1280-1320°C	

The values reported above are average values derived from production data encompassing many different sizes and shapes. Actual data will vary to a small degree naturally and as a function of size and shape. This form is not intended to be used for purposes of specification; it is informational only.

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