



## Icon 7

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**DESCRIPTION:** Magnesia alumina carbon brick, resin bonded, made with 100% fused grain. Very high erosion and slag resistance. Good oxidation resistance due to high-purity flake graphite. With antioxidants.

**USES INCLUDE:** Electric furnace hotspots and sidewalls.  
Ladle furnace slaglines.

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS - after ignition)

(Approximate % by weight)

MgO	87.0%
Al <sub>2</sub> O <sub>3</sub>	10.0%
CaO	1.8%
SiO <sub>2</sub>	0.7%
Fe <sub>2</sub> O <sub>3</sub>	0.3%

### TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity (%):	2.5
Bulk Density, orig g/cm <sup>3</sup> (lb/ft <sup>3</sup> ):	3.0 (187)
Cold Crushing Strength (psi):	6000
Carbon (%):	5.0 - 20.0

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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