



## Icon 4

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**DESCRIPTION:** Magnesia-Alumina-Carbon brick, resin bonded, with very high erosion and slag resistance. With antioxidants.

**USES INCLUDE:** Electric Furnace Sidewalls  
Ladle Barrel and/or Bottoms

### **CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS – after ignition)**

(Approximate % by weight)

MgO	84 %
CaO	1.3 %
SiO <sub>2</sub>	1.3 %
Fe <sub>2</sub> O <sub>3</sub>	1.9 %
Al <sub>2</sub> O <sub>3</sub>	11 %

### **TYPICAL AS RECEIVED PROPERTIES:**

Bulk Density, Original g/cm <sup>3</sup> (lb/ft <sup>3</sup> )	3.0 (187)
Crushing Strength psi	6000
Apparent Porosity %	~ 3
% Carbon:	5 - 20

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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