



## Icon® HD

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**DESCRIPTION:** Magnesia alumina carbon refractory containing 100% fused grain and high-quality graphite. With antioxidants.

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

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

(Approximate % by weight)

MgO	88.0%
Al <sub>2</sub> O <sub>3</sub>	10.0%
CaO	1.2%
SiO <sub>2</sub>	0.6%
Fe <sub>2</sub> O <sub>3</sub>	0.1%

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

Apparent Porosity (%):	2.5
Bulk Density, Orig g/cm <sup>3</sup> (lb./ft <sup>3</sup> ):	3.01 (191)
Carbon (%):	15.0
Cold Crushing Strength (psi):	6000

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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