



## 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)

(Approximate % by weight)

|                                |       |
|--------------------------------|-------|
| MgO                            | 84.0% |
| Al <sub>2</sub> O <sub>3</sub> | 11.0% |
| Fe <sub>2</sub> O <sub>3</sub> | 1.9%  |
| CaO                            | 1.3%  |
| SiO <sub>2</sub>               | 1.3%  |

### TYPICAL AS RECEIVED PROPERTIES:

|   |            |
|---|------------|
| Apparent Porosity (%):                                      | ~ 3.0      |
| 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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