



## Apex 5

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**DESCRIPTION:** Ladle and furnace brick, resin bonded, with high erosion and slag resistance. Antioxidants can be added.

**USES INCLUDE:** Electric furnace sidewalls.  
Ladle barrels and bottoms.  
BOF cones.

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

MgO	94.9%
Fe <sub>2</sub> O <sub>3</sub>	1.9%
CaO	1.0%
SiO <sub>2</sub>	1.0%
Al <sub>2</sub> O <sub>3</sub>	0.2%

### TYPICAL AS RECEIVED PROPERTIES:

Antioxidants:	Can be added
Apparent Porosity (%):	2.5
Bulk Density, original g/cm <sup>3</sup> (lb/ft <sup>3</sup> ):	3.00 (187)
Carbon (%)	5 - 20%
Crushing Strength psi (MPa):	6000 (41)

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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