



## Apex® 4

---

**DESCRIPTION:** Ladle and furnace brick, resin bonded, with good erosion and slag resistance. Antioxidants can be added. Made from dead burned MGO.

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

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

MgO	90.0%
Al <sub>2</sub> O <sub>3</sub>	5.0 - 6.0%
Fe <sub>2</sub> O <sub>3</sub>	1.9%
CaO	1.3%
SiO <sub>2</sub>	1.3%

### TYPICAL AS RECEIVED PROPERTIES:

Antioxidants:	Can be added
Apparent Porosity (%):	4.0
Bulk Density, original g/cm <sup>3</sup> (lb/ft <sup>3</sup> ):	2.96
Carbon (%):	5.0 - 20.0
Crushing Strength (MPa):	35

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.

Version 22.03

---