



## Apex 7HD

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**DESCRIPTION:** Ladle and furnace brick, resin bonded, made with high-quality fused grain. Very high erosion and slag resistance. Good oxidation resistance due to high-purity flake graphite. Antioxidants can be added.

**USES INCLUDE:** Electric furnace hotspots.  
Electric furnace sidewalls.  
Ladles.  
BOF working linings.

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

MgO	97.5%
CaO	1.2%
Fe <sub>2</sub> O <sub>3</sub>	0.6%
SiO <sub>2</sub>	0.6%
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> :	3.50
Carbon (%):	5.0 - 20.0
Crushing Strength psi (MPa):	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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