



## Durachrome® 60 DB

---

**DESCRIPTION:** Direct-bonded magnesia-chrome brick made from high-purity magnesia and chrome ore. Improved thermal shock resistance.

**USES INCLUDE:** Electric furnace roofs and sidewalls.  
AODs.  
Degassers.  
Copper converters.  
Lead smelters.  
Nickel converters.  
Ladle working and tank linings.

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

MgO	62.0%
Cr <sub>2</sub> O <sub>3</sub>	17.0%
Fe <sub>2</sub> O <sub>3</sub>	12.0%
Al <sub>2</sub> O <sub>3</sub>	6.0%
CaO	1.5%
SiO <sub>2</sub>	1.5%

### TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity (%):	≤ 19.0
Bulk Density, pcf (g/cm <sup>3</sup> ):	191 (3.06)
Cold Crushing Strength psi (MPa):	5800 (40)
Hot MOR, 2700F psi (MPa):	360 (2.5)
RUL, °F (°C):	> 3092 (1700)
Thermal conductivity, BTU/sf/hr <sup>2</sup> (W/mk):	
400°F (200°C)	23
800°F (426°C)	21.5
1200°F (648°C)	20.4

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 20.11