



## Epic® 45

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**DESCRIPTION:** Super-duty fireclay brick made from high-purity clays.

**USES INCLUDE:** Furnace linings.  
Boilers.  
Incinerators.  
Safety Linings.

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

SiO <sub>2</sub>	50.0 ~ 52.0%
Al <sub>2</sub> O <sub>3</sub>	> 45.0%
Fe <sub>2</sub> O <sub>3</sub>	1.5 ~ 2.0%

### TYPICAL AS RECEIVED PROPERTIES:

Apparent Porosity (%):	20
Bulk Density pcf (g/cm <sup>3</sup> ):	137 (2.2)
Cold Crushing Strength psi (MPa):	5300 (40)
Refractoriness:	
° C (° F)	1750 (3182)
Under 0.2 MPa ° C (° F)	1450 (2642)

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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