



**Epic® C**  
**Cement: 50, 60, 70, 80**

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**DESCRIPTION:** High-alumina brick made from bauxite and high-purity clays. Excellent durability and abrasion resistance. Good resistant to chemical attack and ring formation.

**USES INCLUDE:** Cement Rotary Kilns, Cyclones, Tertiary Ducts.

**CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)**

(Approximate % - calcined basis)

	<b>50</b>	<b>60</b>	<b>70</b>	<b>80</b>
Al <sub>2</sub> O <sub>3</sub>	42.0	60.0	70.0	80.0
SiO <sub>2</sub>	50.0	20.0	24.0	16.6
Fe <sub>2</sub> O <sub>3</sub>	1.9	1.9	2.4	1.8

**TYPICAL AS RECEIVED PROPERTIES:**

	<b>50</b>	<b>60</b>	<b>70</b>	<b>80</b>
Apparent Porosity, %	20	22	19	19
Bulk Density, g/cm <sup>3</sup> (pcf)	2.2 (137)	2.35 (147)	2.8 (175)	2.8(175)
Linear Reheat Expansion, %	-	-	+ 0.5	+ 0.5
Cold Crushing Strength MPa (psi)	30 (4350)	58.8 (8700)	62 (9000)	70(10150)

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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