



Epic® C – Cement: 50, 60, 70, 80

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

USES INCLUDE: Cement rotary kilns.
Cyclones.
Tertiary ducts.

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

	50	60	70	80
Al ₂ O ₃	42.0%	60.0%	70.0%	80.0%
SiO ₂	50.0%	20.0%	24.0%	16.6%
Fe ₂ O ₃	1.9%	1.9%	2.4%	1.8%

TYPICAL AS RECEIVED PROPERTIES:

	50	60	70	80
Apparent Porosity (%):	20	22	19	19
Bulk Density pcf (g/cm ³):	137 (2.2)	147 (2.35)	175 (2.8)	175 (2.8)
Cold Crushing Strength psi (MPa):	4350 (30)	8700 (58.8)	9000 (62)	10,150 (70)
Linear Reheat Expansion (%)	-	-	+ 0.5	+ 0.5

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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