



Epic 80 – High Alumina Brick

Epic 80: Burned alumina brick, made with bauxite.

USES INCLUDE: Electric Furnace Sidewalls
Ladle linings
Ladle safety linings

Typical Chemical Analysis

Approximate % - calcined basis

Al ₂ O ₃	80.0%
SiO ₂	16.6%
TiO ₂	1.8%
Fe ₂ O ₃	1.8%
CaO	0.1%
MgO	0.1%
Alkalies	0.1%

Typical Physical Properties

Apparent Porosity %	19
Bulk Density g/cm ³	2.80
Linear Reheat Expansion %	+ 0.5
At 600° Thermal Conductivity	2.25
Cold Crushing Strength, mPa	84

Note: 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.

(REV 6/05)