



Epic 40 – Alumina Brick

Epic 40: Burned alumina brick.

USES INCLUDE: Safety linings
Reheat and other furnaces

Typical Chemical Analysis

Approximate % - calcined basis

Al ₂ O ₃	42%
SiO	52%
MgO	0.1%
CaO	0.1%
Fe ₂ O ₃	2%
TiO ₂	2.8%
Alkalies	1%

Typical Physical Properties

Apparent Porosity %	23
Bulk Density g/cm ³	2.2
Cold Crushing Strength, MPa	30
Refractoriness °C	1730 – 1750
Refractoriness under 0.2 Mpa °C	1450
Lining reheat change % @1500°C x 2Hrs.	0.8%

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)