

TECHNICAL DATA SHEET

PRODUCT **BHA4501**

CHEMICAL COMPOSITION

	%
Al ₂ O ₃	44 – 46
SiO ₂	48 – 50
Fe ₂ O ₃	1.5 – 1.8
K ₂ O ₃	0.7 – 0.9

PHYSICAL PROPERTIES

Refractoriness	≥ 1780 °C
Bulk Density	≥ 2.33 g/cm ³
Apparent Porosity	≤ 17 %
Cold Compressive Strength	≥ 460 kg/cm ²
Refractoriness under Load	≥ 1420°C
Linear Thermal Expansion at 1000 °C	≤ 0.65 %
Permanent linear Change at 1400 °C	≤ + 0.2 %

Thermal conductivity

at 300 °C	1.35 (w/m K)
at 700 °C	1.45 (w/m K)
at 1100 °C	1.55 (w/m K)

Tolerance in Dimensions

≤ 150 mm	± 1.5 %
≥ 150 mm	± 1.0 %

The data given in this technical information sheet have been determined as average values on test specimens of standard bricks