

## TECHNICAL DATA SHEET

**PRODUCT** **BCM 4001**

**Max Service Temperature, ASTM C- 24**

1150 °C

**CHEMICAL COMPOSITION, ASTM C 573**

%

Al<sub>2</sub>O<sub>3</sub>

37 – 40

SiO<sub>2</sub>

49 – 52

MgO

5 - 7

**PHYSICAL PROPERTIES**

Bulk Density, ASTM C-20

2.05 g/cm<sup>3</sup>

Cold Compressive Strength, ASTM c- 133

350 kg/cm<sup>2</sup>

Thermal shock resistance, at 1000°C, ASTM C- 1171

80 cycles

Thermal conductivity, ASTM C-202

at 400 °C

1.35 (w/mK)

at 800 °C

1.40 (w/mK)

at 1000 °C

1.50 (w/mK)

**Tolerance in Dimensions, ASTM C-134**

≤ 100 mm

± 2 mm

≥ 100 mm

± 2.0 %

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