

## TECHNICAL DATA SHEET

|   |                          |
|---|--------------------------|
| <b>PRODUCT</b>                                    | <b>BFC3701</b>           |
| <b>CHEMICAL COMPOSITION</b>                       | %                        |
| Al <sub>2</sub> O <sub>3</sub>                    | 36 – 38                  |
| SiO <sub>2</sub>                                  | 56 – 58                  |
| Fe <sub>2</sub> O <sub>3</sub>                    | 1.5 – 1.8                |
| K <sub>2</sub> O <sub>3</sub> + Na <sub>2</sub> O | 0.8 – 1.0                |
| <b>PHYSICAL PROPERTIES</b>                        |                          |
| Refractoriness                                    | 1670 °C                  |
| Bulk Density                                      | ≥ 2.20 g/cm <sup>3</sup> |
| Apparent Porosity                                 | ≤ 18 %                   |
| Cold Compressive Strength                         | ≥ 400 kg/cm <sup>2</sup> |
| Refractoriness under Load, t <sub>0.5</sub>       | ≥ 1350 °C                |
| Permanent Linear Change at 1400°C                 | ≤ - 0.5                  |
| Linear Thermal Expansion at 1000 °C               | 0.62 %                   |
| <b>Tolerance in Dimensions</b>                    |                          |
| ≤ 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**