



## TECHNICAL DATASHEET

SK34

CLASSIFICATION	FIRECLAY BRICK		
PHYSICAL PROPERTIES			
	Pyrometric Cone Equivalent	Orton Cone	33-34
	Refractoriness	°C	1760
	Bulk Density	kg/m <sup>3</sup>	2235-2250
	Apparent Porosity	%	17.0-18.0
	Cold Crushing Strength	kg/cm <sup>2</sup>	300-350
	Modulus of Rupture	kg/cm <sup>2</sup>	60-80
Permanent Linear Change after heating at 1400 °C	%	-0.18	
THERMAL EXPANSION	at 800 °C	Kcal/m.hr °C	0.53
	at 1000 °C	Kcal/m.hr °C	0.58
	at 1200 °C	Kcal/m.hr °C	0.68
	at 1400 °C	Kcal/m.hr °C	0.73
CHEMICAL COMPOSITION  APPROX. (%)	Silica (SiO <sub>2</sub> )	%	52.4
	Alumina (Al <sub>2</sub> O <sub>3</sub> )	%	44.1
	Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	%	1.4
	Calcium Oxide (CaO)	%	0.4
	Alkalines (Na <sub>2</sub> O+K <sub>2</sub> O+Li <sub>2</sub> O)	%	0.5

The data cannot be used for specification and guarantee purpose – reasonable variances in data can be expected. Product data is update periodically to reflect product / raw material / process / testing changes. Please contact BST's representative for the most updated data.

**We are refractory solutions**