



## SILLIMANITE BRICK

Physical and chemical index

Item		SL-50
Chemical composition	Al <sub>2</sub> O <sub>3</sub>	≥50
	SiO <sub>2</sub>	≤45
	Fe <sub>2</sub> O <sub>3</sub>	≤1.2
Apparent Porosity %		≤18
Bulk Density g/cm <sup>3</sup>		≥2.4
Cold Crushing Strength Mpa		≥45
0.2Mpa Refractoriness Under Load T <sub>0.6</sub> °C		≥1550
Permanent Linear Change On Reheating (%) 1500°C X2h		±0.1
Thermal Shock Resistances 100°C water cycles		≥20
Reversible Thermal Expansion 1000°C		0.55
Pyrometric Cone Equivalent S.C. SK		35
Range of Application		Rider Arches