



SILLIMANITE BRICK

Physical and chemical index

Item	SL-50
Chemical composition	Al_2O_3 ≥ 50
	SiO_2 ≤ 45
	Fe_2O_3 ≤ 1.2
Apparent Porosity %	≤ 18
Bulk Density g/cm^3	≥ 2.4
Cold Crushing Strength Mpa	≥ 45
0.2Mpa Refractoriness Under Load $T_{0.6}$ °C	≥ 1550
Permanent Linear Change On Reheating (%) 1500°C X 2h	± 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