



## Product Name : Fire Bricks

### TECHNICAL DATA SHEET

Jainco's Fire Bricks are the products made from different fractions of refractory grog, plastic fire clays and non-plastic clays of high purity. The different fractions of these raw materials are mixed in counter current mixers and plugged for fully homogenous mixing. The mixed obtained hence, is then pressed in high capacity presses to give the desired shape and size. These pressed shapes are fired in coal fired tunnel kiln at high temperatures of 1300-1450° C.

Quality Parameters	Chemical Analysis		Physical Properties			Thermal Properties		
	Al <sub>2</sub> O <sub>3</sub> Min. (%)	Fe <sub>2</sub> O <sub>3</sub> Min. (%)	A.P Min. (%)	BD Min. (gm/cc)	C.C.S Min. (kg/cm <sup>2</sup> )	P.C.E Min. (O°C)	R.U.L Min. (Ta°C)	P.L.C Max. (%)
FB IS-6	30	2.20	25	1.9	250	31.0	1350	+/-1.5% at 1350°C/2Hrs
FB IS-8	40	2.50	23	2.10	350	32.0	1400	+/-1.0% at 1450°C/2Hrs
FB 50%	50	2.80	23	2.3	400	32.5	1430	+/-1.5% at 1450°C/2Hrs
FB 60%	60	3.00	23	2.5	430	34.0	1450	+/-1.5% at 1500°C/2Hrs
FB 70%	70	3.20	23	2.6	500	35.0	1470	+/-1.5% at 1500°C/2Hrs
FB 80%	80	3.50	21	2.75	600	37.0	1500	+/-1.5% at 1500°C/2Hrs

#### Note:

1. Size tolerance +/- 1.5 % or 2 mm whichever is greater.
2. Shaping dry pressing.
3. The above data are on average result basis.