

TYPICAL INDEXES

1000°C Calcium Silicate Board					
Items	Unit	FCS-17	FCS-22	FCS-25	FCS-27
Bulk Density	Kg/m ³	≤ 170	220 ±10%	250 ±10%	270 ±10%
Compressive Strength At 5% Deformation	MPa	≥ 0.4	≥ 0.65	≥ 1.0	≥ 1.0
Flexural Strength	MPa	≥ 0.2	≥ 0.4	≥ 0.55	≥ 0.55
Service Temp. Limit	°C	≤ 1000	1000	1000	1000
Linear Shrinkage	%	≤ 2	≤ 2	≤ 2	≤ 2
		1000°Cx3h	1000°Cx16h	1000°Cx16h	1000°Cx16h
Thermal Conductivity W/m.K	200°C	≤ 0.060	≤ 0.075	≤ 0.080	0.098
	400°C	≤ 0.086	≤ 0.098	≤ 0.105	0.110
	600°C	≤ 0.121	≤ 0.128	≤ 0.132	0.158
	800°C	--	≤ 0.160	≤ 0.165	0.218
Chemical Analysis %	SiO ₂	47	≥ 55	≥ 55	46-48
	CaO	49	≥ 36	≥ 36	39-41
	Al ₂ O ₃	1	≤ 0.5	≤ 0.5	0.39-0.42
	Fe ₂ O ₃	--	≤ 1	≤ 1	0.3-0.4
Surface Condition	Standard A: Original dimple pattern, Non-four side cutting (Default delivery standard) Standard B: Double sanded, four side cutting (Extra Charge)				