

Strength + Ultra high Temp. resistance

IG series boards have been developed mainly for applications where high strength (compressive and flexural) are required under elevated temp. up to 1050°C. Over the past 15+ years, IG have been well accepted by major steel plant, press palten manufacturers, cement plant,... as the most reliable high temp. structure boards.

Data sheet

	IG 55	IG 70	IG 175
Density (kg/m ³)	880	1202	1540
Apparent porosity (%)	66.3	53.5	44.1
Hydration Resistance	Excellent	Excellent	Excellent
CO resistance	Yes	Yes	Yes
Max. Service Temp.	1050°C	1050°C	1050°C
Cold crushing (MPa)	7.2	15.1	37.9
Hot compressive strength (5% strain at 500°C)	8	17	27
Flexural strength (MPa)	6.2	13.1	27.6
Thermal conductivity (W/m.K)			
195°C	0.20	0.23	0.27
315°C	0.21	0.24	0.28
600°C	0.27	0.31	0.34
Permanent shrinkage (at 900°C)			
Linear (%)	0.68	0.64	0.55
Thickness (%)	1.8	1.03	1.02

Sheet sizes (uncut): 965 x 1270mm

Thickness (mm): 6 (IG 175), 10 (IG 70 and IG 175), 12.5, 16, 20, 25