



RG Panel Product Specification

Bulk Density						
kg/m ³	400	500	600			
Maximum Service Temperature						
°C	1200	1200	1200			
Compressive Strength						
Mpa	1.5	2.5	3.5			
Total Porosity						
%	80	75	70			
Liner Reheat Shrinkage						
24H @ 900°C %	<1	<1	<1			
Thermal Conductivity						
@ 200°C	0.101	0.127	0.129			
W/mk @ 400°C	0.135	0.144	0.148			
@ 600°C	0.153	0.173	0.176			
Chemical Analysis						
	%	%	%			
Silica	41.2	41.20	41.2			
Alumina	12.68	12.68	12.68			
Ferric oxide	4.06	4.06	4.06			
Titanium dioxide	1.33	1.33	1.33			
Magnesium oxide	24.22	24.22	24.22			
Calcium oxide	0.96	0.96	0.96			
Potassium oxide	8.97	8.97	8.97			
Sodium oxide	0.6	0.60	0.6			
Loss on ignition @1000°C	6.5	6.50	6.5			
Standard Size(Length*Weight*Thickness)						
RG Plain Panel			RG Acoustic Panel			
2440 * 1220 * 20-22-25mm			2430 * 197 * 20-22-25mm			
2100 * 900 * 20-22-25mm			2430 * 197 * 20-22-25mm			
Dimensional Tolerances						
mm	0-10	10-120	120-400	400-60	600-1500	1500-
	±0.5	±1.0	±1.5	±2.0	±2.5	±3.0
Data are average results of tests conducted under standard procedures and are subject to variation. Data contained in this data sheets are supplied in good faith as a technical service and are subject to change without notice. Misprint and errors excepted.						