



RG Thermal Insulate Panel

RG-VFP

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 (Typical)						
				%		
	Silica		41.2			
	Alumina		12.68			
	Ferric oxide		4.06			
	Titanium dioxide		1.33			
	Magnesium oxide		24.22			
	Calcium oxide		0.96			
	Potassium oxide		8.97			
	Sodium oxide		0.6			
	Loss on ignition @1000°C		6.5			
Standard Size & Thickness						
Length & Width				Thickness		
1000 × 600 mm	2100 X 900 mm			15-20-25-29-38-45mm		
1000 × 900 mm	2440 X 1220 mm			Customized Size are Available		
Dimensional Tolerances						
	0-10	10-120	120-400	400-600	600-1500	1500-2500
mm	±0.5	±1.0	±1.5	±2.0	±2.5	±3.0

Data given on this Material Safety Data Sheet are average tests conducted under standard procedures and are subject to variation. Data indicated in this data sheets are to the best of LYRG's knowledge and belief, accurate and reliable. It is the user's responsibility to satisfy itself as to the suitability and completeness of such information for their own particular use.



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RG Thermal Insulate Panel is non-combustible, fire resistant which can be easily cut to shape using standard woodworking tools.

RG-VFP is made of a kind of eco-friendly non-combustible mineral. It is chemically a hydrous, silicate mineral that is classified as a phyllosilicate.

Features

- Fireproof & Non combustible up to 1200°C
- Heat insulation & Low thermal conductivity
- Minimal shrinkage at high temperatures
- Easy to cut and install

Application

Ideal products to use in the construction of Safe, Fire-rated Door, Thermal Insulate Wall, Fireplace/ Stove Heat Insulate Panel, Heat Insulate ect.

