

BFRC Energy Rating Calculation Spreadsheet

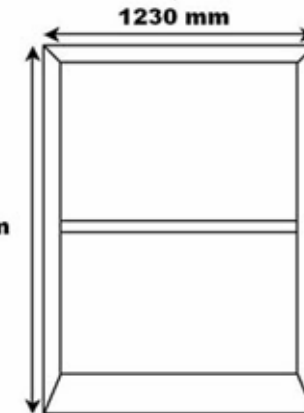


Vertical Slider

STANDARD BOTTOM RAIL
 4mm OPTIWHITE
 16mm ARGON
 4mm PLANITHERM TOTAL 1.1
 EDGETECH SUPER SPACER

	Frame Dimensions		Thermal Conductivity			
			Insulation Panel		Glazed	
	Projected Frame Height (mm)	Sight Line Height Worst Case (mm)	$U_{\text{frame+panel}}$	Panel Thickness (mm)	$U_{\text{frame+glass}}$	
8	Head Rail	104.5	104.5	1.3194	24	1.4187
9	Top Jamb	104.5	104.5	1.3699	24	1.4662
10	Meeting Rail	62.6	62.6	1.3369	24	1.479
11	Bottom Jamb	104.5	104.5	1.4597	24	1.5614
12	Bottom Rail	100	100	1.4107	24	1.5119

Overall Window Dimensions (mm)		Glazing Properties	
19	Height	1480	U_g (Centre Pane Value)
20			1.16
21	Width	1230	Solar Heat Gain Coefficient (g_{glass})
22			0.68
23			(Normal Value)
Air Leakage Factor			
26	L_{50} value	2.28	(Must be obtained from relevant accredited test report)



Results	Thermal Transmittance	Solar Factor	Effective Air Leakage
	U_{window} (W/m^2K)	g_{window} (Wm^2K)	L_{factor} (Wm^2K)
	1.5	0.42	0.04
	Energy Index	Energy Rating Band	
	-11	C	