

BFRC Energy Rating Calculation Spreadsheet

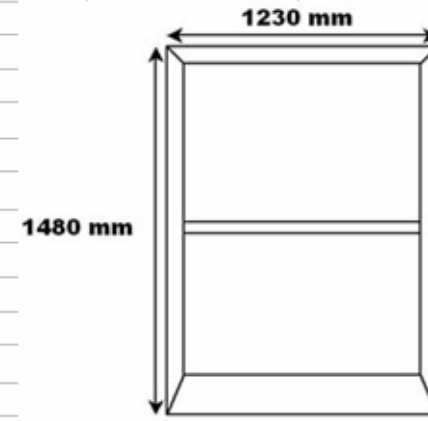


Vertical Slider

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

	Frame Dimensions		Thermal Conductivity		
	Projected Frame Height (mm)	Sight Line Height Worst Case (mm)	Insulation Panel		Glazed
			$U_{\text{frame+panel}}$	Panel Thickness (mm)	$U_{\text{frame+glass}}$
Head Rail	104.5	104.5	1.3194	24	1.4187
Top Jamb	104.5	104.5	1.3699	24	1.4662
Meeting Rail	62.6	62.6	1.3369	24	1.479
Bottom Jamb	104.5	104.5	1.4597	24	1.5614
Bottom Rail	130	130	1.5358	24	1.6285

Overall Window Dimensions (mm)		Glazing Properties	
Height	1480	U_g (Centre Pane Value)	1.16
Width	1230	Solar Heat Gain Coefficient (g_{glass})	0.68
		(Normal Value)	
Air Leakage Factor			
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	0.41	0.04
	Energy Index	Energy Rating Band	
-15	C		