

Polar 100

Quick Sheet

Frameless Double
Glazed Partitioning

Think partitioning.
Think Komfort.

Polar 100 is an elegant 100mm wide double glazed system with a range of glass configurations available. The frameless bubble jointed glazing and minimal trackwork provides contemporary aesthetics in any working environment, allowing an abundance of light to fill the space to naturally brighten any room.

Overview

Maximum Screen Height	3000mm*
Maximum Module Width	1200mm
Maximum Doorset Height	3000mm*
Trackwork Dimensions	100x32mm
Deflection Head	+/- 25mm
Acoustic Performance	Up to 53dB (R_w)*
Structural Performance	Up to 1.5kN/m*
Fire Performance	None

* Depending on configuration & specification



Typical Screen



Deflection Head



Door Frame

Optional Extras & Finishes

✓ Blinds	✓ Manifestations	✓ Graphics
✓ Kross Glaze Bars	✓ Switch Glass	✓ Curved Glass*
✓ Komfort Doors (Sonik, Glass, Timber)	✓ Integration with Komfire 100	✓ Integration with Polar Kreate
✓ Polyester Powder Coat Finish	* Satin Anodised Finish	✓ Special Anodised Finish

* Depending on configuration & specification

Acoustic Performance Summary

Glass & Joint Type	10mm Toughened	12mm Toughened	10.8mm Acou. Lam.	12.8mm Acou. Lam.	14.8mm Acou. Lam.
10mm Toughened with Bubble Joint	-	45dB (R_w)	-	47dB (R_w)	-
12mm Toughened with Bubble Joint	45dB (R_w)	44dB (R_w)	46dB (R_w)	47dB (R_w)	46dB (R_w)
10.8mm Acoustic Laminated with Bubble Joint	-	46dB (R_w)	-	48dB (R_w)	49dB (R_w)
12.8mm Acoustic Laminated with Bubble Joint	47dB (R_w)	47dB (R_w)	48dB (R_w)	50dB (R_w)	51dB (R_w)
14.8mm Acoustic Laminated with Bubble Joint	-	46dB (R_w)	49dB (R_w)	51dB (R_w)	-

Please note using **Kross Glaze Bars** with this system can increase performance by up to 2dB. Max. performance 53dB (R_w).

Structural Performance Summary

Loaded Glass & Joint Type	Max. Height Duty Ratings to BS 5234-2:1992 (Annex A & Annex G)			Max. Height Line Loads to BS 6180:2011		
	Medium	Heavy	Severe	0.36kN/m	0.74kN/m	1.5kN/m
10mm Toughened with Bubble Joint	2420mm	2260mm	-	2500mm	-	-
12mm Toughened with Bubble Joint	3000mm	3000mm	3000mm	3000mm	3000mm	-
10.8mm Acoustic Lam. with Bubble Joint	2390mm	-	-	2200mm	-	-
12.8mm Acoustic Lam. with Bubble Joint	3000mm	3000mm	2900mm	2650mm	-	-
14.8mm Acoustic Lam. with Bubble Joint	3000mm	3000mm	3000mm	3000mm	2500mm	-
10mm Toughened with Ghost Post	3000mm	3000mm	3000mm	3000mm	3000mm	3000mm

For further information please refer to the **Polar 100** Design Guide or contact our Specification Team.



This product is available on **NBS Source**.



BIM Objects are available for this product.



THE INTERNATIONAL EPD® SYSTEM
Product EPD currently in progress.

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