

Polar 54

Quick Sheet



Frameless Offset Single
& Double Glazed Partitioning

Think partitioning.
Think Komfort.

Polar 54 is a design response to the architectural trend for narrow gauge glazed partitioning. This elegant 54mm wide system is available as double or offset single glazed 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	54x32mm
Deflection Head	+/- 25mm
Acoustic Performance	Up to 47dB (R_w)*
Structural Performance	Up to 0.74kN/m*
Fire Performance	None

* Depending on configuration & specification



Offset Single Glazed

Double Glazed

Door Frame

Optional Extras & Finishes

* Blinds	✓ Manifestations	✓ Graphics
✓ Cross Glaze Bars	✓ Switch Glass	✓ Curved Glass*
✓ Komfort Doors (Sonik, Glass, Timber)	✓ Integration with Komfire 75 & 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	Single Glazed	10mm Toughened	12mm Toughened	10.8mm Acou. Lam.	12.8mm Acou. Lam.	14.8mm Acou. Lam.
10mm Toughened with Bubble Joint	31dB (R_w)	-	39dB (R_w)	-	40dB (R_w)	-
12mm Toughened with Bubble Joint	33dB (R_w)	39dB (R_w)	38dB (R_w)	40dB (R_w)	41dB (R_w)	41dB (R_w)
10.8mm Acoustic Lam with Bubble Joint	38dB (R_w)	-	40dB (R_w)	-	41dB (R_w)	44dB (R_w)
12.8mm Acoustic Lam with Bubble Joint	39dB (R_w)	40dB (R_w)	41dB (R_w)	41dB (R_w)	45dB (R_w)	45dB (R_w)
14.8mm Acoustic Lam with Bubble Joint	41dB (R_w)	-	41dB (R_w)	44dB (R_w)	45dB (R_w)	-

Please note using **Kross Glaze Bars** with double glazed can increase performance by up to 2dB. Max. performance 47dB (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	
	Light	Medium	Heavy	Severe	0.36kN/m	0.74kN/m
10mm Toughened with Bubble Joint	2570mm	2420mm	2260mm	-	2500mm	-
12mm Toughened with Bubble Joint	3000mm	3000mm	3000mm	3000mm	3000mm	3000mm
10.8mm Acoustic Lam with Bubble Joint	2550mm	2390mm	-	-	2200mm	-
12.8mm Acoustic Lam with Bubble Joint	3000mm	3000mm	3000mm	2900mm	2650mm	-
14.8mm Acoustic Lam with Bubble Joint	3000mm	3000mm	3000mm	3000mm	3000mm	2500mm

For further information please refer to the **Polar 54** 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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