

Acoustic Performance Data Summary For Glazed Partitions

SYSTEM	GLAZING CONFIGURATION	GLASS JOINT	GLASS TYPE	TEST RESULT	ASSESSMENT
Sektor 30	Single glazed	I-line joint	10mm toughened glass	-	33dB
Sektor 30	Single glazed	I-line joint	12mm toughened glass	-	34dB
Sektor 30	Single glazed	I-line joint	12.8mm acoustic laminate glass	-	39dB
Sektor 30	Single glazed	I-line joint	15mm toughened glass	-	35dB
Sektor 30	Twin frame	I-line joint	1 x 12.8mm acoustic laminate glass + 1 x 10mm toughened glass	52dB	-
Sektor 30	Twin frame	I-line joint	1 x 12.8mm acoustic laminate glass + 1 x 15mm toughened glass	-	53dB
Sektor 30	Twin frame	I-line joint	1 x 14.8mm acoustic laminate glass + 1 x 15mm toughened glass	-	54dB
Sektor 90	Double glazed	DGA214 mullion with DGA215 trim	2 x 6mm toughened glass	-	41dB
Sektor 90	Double glazed	DGA214 mullion with DGA215 trim	1 x 6mm toughened glass + 1 x 8mm toughened glass	-	41dB
Sektor 90	Double glazed	DGA214 mullion with DGA215 trim	2 x 8mm toughened glass	-	42dB
Sektor 90	Double glazed	DGA214 mullion with DGA215 trim	1 x 10.8mm acoustic laminate glass + 1 x 6mm toughened glass	43dB	-
Sektor 90	Double glazed	DGA214 mullion with DGA215 trimD	1 x 10mm toughened glass + 1 x 8.8mm acoustic laminate glass	-	46dB
Sektor 90	Double glazed – banded glazing	DGA214 mullion with DGA215 trim	2 x 6mm toughened glass	41dB	-
Sektor 90	Double glazed	I-line joint	2 x 10mm toughened glass	-	43dB
Sektor 90	Double glazed	I-line joint	2 x 12mm toughened glass	-	45dB
Sektor 90	Double glazed	I-line joint	1 x 12mm toughened glass + 1 x 10mm toughened glass	-	44dB
Sektor 90	Double glazed	I-line joint	1 x 12.8mm acoustic laminate glass + 1 x 10mm toughened glass	-	47dB

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SYSTEM	GLAZING CONFIGURATION	GLASS JOINT	GLASS TYPE	TEST RESULT	ASSESSMENT
Sektor 90	Double glazed	I-line joint	1 x 12.8mm acoustic laminate glass + 1 x 12mm toughened glass	-	48dB
Sektor 90	Double glazed	I-line joint	1 x 12.8mm acoustic laminate glass + 1 x 10.8mm acoustic laminate glass	-	50dB
Sektor 115	Double glazed	DGA314 mullion with DGA215 trim	2 x 6mm toughened glass	-	43dB
Sektor 115	Double glazed	DGA314 mullion with DGA215 trim	1 x 6mm toughened glass + 1 x 8mm clear toughened glass	-	43dB
Sektor 115	Double glazed	DGA314 mullion with DGA215 trim	2 x 8mm toughened glass	-	43dB
Sektor 115	Double glazed	DGA314 mullion with DGA215 trim	1 x 10mm toughened glass + 1 x 6mm toughened glass	-	44dB
Sektor 115	Double glazed	DGA314 mullion with DGA215 trim	1 x 10.8mm acoustic laminate glass + 1 x 6mm toughened glass	47dB	-
Sektor 115	Double glazed	DGA314 mullion with DGA215 trim	1 x 10mm toughened glass + 1 x 8.8mm acoustic laminate glass	-	46dB
Sektor 115	Double glazed – banded glazing	DGA314 mullion and transom with DGA215 trim	2 x 6mm toughened glass	43dB	-
Sektor 115	Double glazed	I-line joint	2 x 10mm clear toughened glass	-	44dB
Sektor 115	Double glazed	I-line joint	2 x 12mm clear toughened glass	-	46dB
Sektor 115	Double glazed	I-line joint	1 x 12mm clear toughened glass + 1 x 10mm clear toughened glass	-	46dB
Sektor 115	Double glazed	I-line joint	1 x 12.8mm acoustic laminate glass + 1 x 10mm clear toughened glass	-	47dB
Sektor 115	Double glazed	I-line joint	1 x 12.8mm acoustic laminate glass + 1 x 12mm clear toughened glass	-	49dB
Sektor 115	Double glazed	I-line joint	1 x 12.8mm acoustic laminate glass + 1 x 10.8mm acoustic laminate glass	-	51dB

Doors

Tests were carried out on door leaves installed into a Sektor door frame within high performance solid stud wall.

Solid core flush timber door leaf, fitted with threshold seal		39dB	-
Single glazed glass door leaf, 12mm thick, fitted with threshold seal		40dB	-
Double glazed glass door leaf, 2 x 6mm, fitted with threshold seal		37dB	-

Sektor 30 Acoustic Performance Data

Full height single glazed	10mm toughened glass with PETG 'I' joints	33dB
Full height single glazed	12mm toughened glass with PETG 'I' joints	34dB
Full height single glazed	15mm toughened glass with PETG 'I' joints	35dB
Full height single glazed	12.8mm acoustic laminate glass with PETG 'I' joints	39dB

Full height twin Sektor 30 frameworks constructed side by side and 125mm apart (155mm centres)	12.8mm acoustic laminate glass + 10mm toughened glass both with PETG 'I' joints	52dB
Full height twin Sektor 30 frameworks constructed side by side and 125mm apart (155mm centres)	12.8mm acoustic laminate glass + 15mm toughened glass both with PETG 'I' joints	53dB
Full height twin Sektor 30 frameworks constructed side by side and 125mm apart (155mm centres)	14.8mm acoustic laminate glass + 10mm toughened glass both with PETG 'I' joints	54dB

The listed test results were obtained under laboratory conditions and are rated in accordance with BS EN ISO 717-1:1997 (100 – 3150Hz) and made as the weighted airborne sound reduction index Rw (C; Ctr)

Assessments carried out by the Acoustic Investigation and Research Organisation Ltd (AIRO) and expressed as the single figure weighted airborne sound reduction index Rw in Decibels (dB)