

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A		27/10/2025	

Rw dB Values for Granada Secondary Glazing

Primary Glass Thickness	Primary Frame Material	Primary Rw dB	Air Gap	Secondary Glass Thickness	BVS	HS	HU-HD	HU-SL	LO	TBVS
6mm	50mm Hardwood	29	200mm	4mm Toughened	48	47	49	49	47	47
6mm	50mm Hardwood	29	200mm	6mm Toughened	50	49	51	51	49	49
6mm	50mm Hardwood	29	200mm	6.4mm Laminate	50	49	51	51	49	49
6mm	50mm Hardwood	29	200mm	6.8mm Laminate	50	49	51	51	49	49
6mm	50mm Hardwood	29	200mm	8mm Toughened	50	49	51	51	49	49
6mm	50mm Hardwood	29	200mm	8.8mm Laminate	50	49	51	51	49	49
6mm	50mm Hardwood	29	200mm	10.8mm Laminate	50	49	51	51	49	49
6mm	50mm Hardwood	29	200mm	6.8/12/8.8 DG	-	-	52	-	-	-
3mm	Steel Crittal	23	200mm	6.8/12/8.8 DG	-	-	51	-	-	-
4/16/4 DG	uPVC	31	200mm	6.8/12/8.8 DG	-	-	53	-	-	-
4/18/6.8 DG	uPVC	36	200mm	6.8/12/8.8 DG	-	-	54	-	-	-

Rw+C dB Values for Granada Secondary Glazing

Primary Glass Thickness	Primary Frame Material	Primary Rw dB	Air Gap	Secondary Glass Thickness	BVS	HS	HU-HD	HU-SL	LO	TBVS
6mm	50mm Hardwood	29	200mm	4mm Toughened	46	45	47	47	44	45
6mm	50mm Hardwood	29	200mm	6mm Toughened	48	47	49	49	46	47
6mm	50mm Hardwood	29	200mm	6.4mm Laminate	49	48	50	50	47	48
6mm	50mm Hardwood	29	200mm	6.8mm Laminate	49	48	50	50	47	48
6mm	50mm Hardwood	29	200mm	8mm Toughened	49	48	50	49	47	49
6mm	50mm Hardwood	29	200mm	8.8mm Laminate	50	49	51	51	48	49
6mm	50mm Hardwood	29	200mm	10.8mm Laminate	50	49	51	51	48	49
6mm	50mm Hardwood	29	200mm	6.8/12/8.8 DG	-	-	51	-	-	-
3mm	Steel Crittal	23	200mm	6.8/12/8.8 DG	-	-	51	-	-	-
4/16/4 DG	uPVC	31	200mm	6.8/12/8.8 DG	-	-	52	-	-	-
4/18/6.8 DG	uPVC	36	200mm	6.8/12/8.8 DG	-	-	53	-	-	-

Rw+Ctr dB Values for Granada Secondary Glazing

Primary Glass Thickness	Primary Frame Material	Primary Rw dB	Air Gap	Secondary Glass Thickness	BVS	HS	HU-HD	HU-SL	LO	TBVS
6mm	50mm Hardwood	29	200mm	4mm Toughened	42	43	45	44	41	43
6mm	50mm Hardwood	29	200mm	6mm Toughened	43	44	46	45	42	44
6mm	50mm Hardwood	29	200mm	6.4mm Laminate	44	45	47	46	43	45
6mm	50mm Hardwood	29	200mm	6.8mm Laminate	44	45	47	46	43	45
6mm	50mm Hardwood	29	200mm	8mm Toughened	44	45	47	46	43	45
6mm	50mm Hardwood	29	200mm	8.8mm Laminate	44	45	47	46	43	45
6mm	50mm Hardwood	29	200mm	10.8mm Laminate	45	46	48	47	44	46
6mm	50mm Hardwood	29	200mm	6.8/12/8.8 DG	-	-	48	-	-	-
3mm	Steel Crittal	23	200mm	6.8/12/8.8 DG	-	-	48	-	-	-
4/16/4 DG	uPVC	31	200mm	6.8/12/8.8 DG	-	-	48	-	-	-
4/18/6.8 DG	uPVC	36	200mm	6.8/12/8.8 DG	-	-	50	-	-	-

Tables have been extrapolated from physical test data measured at Element High Wycombe on 23/06/22 and 12/07/22.

Approximate difference due to air gap size;

150mm air gap
Rw - Deduct 1dB from table value
Rw+C - Deduct 1dB from table value
Rw+Ctr - Deduct 1dB from table value

100mm air gap
Rw - Deduct 1dB from table value
Rw+C - Deduct 1dB from table value
Rw+Ctr - Deduct 4dB from table value

HU-HD data covers the following variants
HU-HD
HU-HD-F (Fixed Panel)
HU-HD-TH - (Top Hung)
HU-HD-PAS24
HU-HD-SR1

Drg. Title:

Secondary Glazing System Acoustic Data

Drg. No. GSG-DS002

Scale: (at A3)

Date: 27/10/2025

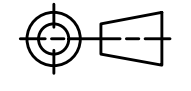
Drawn by: Neal Desorgher

Checked :

Material :

Finish :

IF IN DOUBT ASK
DO NOT SCALE



ALL DIMENSIONS ARE IN mm

GENERAL TOLERANCES UNLESS OTHERWISE STATED
±0.25 ON ALL MACHINED DIMENSIONS
±0.10 ON ALL CAST AND INJECTION MOULDED DIMENSIONS
+0.10 -0.0 ON ALL HOLE SIZES
±1° ON ALL ANGULAR DIMENSIONS

ALL EXTRUSIONS TO EN 755-9 UNLESS OTHERWISE STATED

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 **GRANADA**
secondary glazing

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