
Our Reference: NIA/1483/25/583/v1.0/22-24 St Mary's Gate, Rochdale

1st December 2025

Mr Philip Fletcher
302 New Road
Staincross
Barnsley S75 6GP



Dear Sirs,

NOISE IMPACT ASSESSMENT FOR PROPOSED CHANGE OF USE OF FROM USE CLASS E TO A 7 BEDROOM HOUSE IN MULTIPLE OCCUPATION (HMO) AT THE UPER FLOORS OF 22-24 ST MARY'S GATE, ROCHDALE, OL16 1DZ

ROCHDALE COUNCIL PLANNING APPLICATION 25/01057/FUL

1.00 INTRODUCTION

- 1.01 RP Acoustics Limited has been commissioned to undertake a noise impact assessment for a proposed Change of Use from Use Class E to a 7 bedroom House in Multiple Occupation (HMO) at the upper floors of 22-24 St Mary's Gate, Rochdale OL16 1DZ (hereafter referred to as the application site).
- 1.02 The noise impact assessment has been prepared to accompany Planning Application s25/01057/FUL submitted to Rochdale Borough Council.
- 1.03 The scope of the noise impact assessment was as follows:
- Determine the daytime ambient and night time ambient and maximum noise levels at the application site
 - Provide recommendations in order to protect residential amenity in accordance with relevant standards
- 1.04 This report sets out the methodology and findings of the noise impact assessment. It has been prepared on behalf of Mr Philip Fletcher for the sole purpose described above and no extended duty of care to any third party is implied or offered. Third parties making reference to the report should consult Mr Philip Fletcher and RP Acoustics Limited as to the extent to which the findings may be appropriate for their use.
- 1.05 A glossary of acoustic terms is contained in Appendix 1 for reference.

2.00 APPLICATION SITE SETTING

- 2.01 The application site is located in a mixed commercial and residential to the north of Rochdale town centre. The application site location plan is reproduced in Appendix 2 for reference.
- 2.02 The application site fronts onto the A58 St Mary's. The existing ground floor unit will remain within Use Class E (commercial); it is understood that a pilates studio is to replace the former beauty parlour which has moved to new premises. For reference, there is a circa 200 mm concrete slab between the ground floor commercial unit and the overlying unit (to be a 7 bedroom House in Multiple Occupation (HMO)). This will provide sufficient sound insulation (discussed later in the assessment).
- 2.03 The proposed floor layouts are reproduced in Appendix 3 for reference.

3.00 BASELINE NOISE SURVEY

- 3.01 A baseline noise survey was carried out on Friday 21st November 2025.
- 3.02 For the purpose of the survey, the following noise monitoring positions were adopted (see Appendix 4):
- NMP1 was located at first floor level overlooking St Mary's Gate (reflective field)
 - NMP2 was located at first floor level overlooking the car park at the rear
- 3.03 Baseline noise measurements were undertaken using NTi Audio XL2 Type 1 integrating sound level meters. A 90 mm windshield was fitted for all measurements. The measurement system calibration was verified immediately before and after measurement sessions and no drift in calibration level was noted (calibration certificates reproduced in Appendix 5 for reference). Weather conditions throughout the survey were appropriate for monitoring.
- 3.04 Baseline noise measurements consisted of A-weighted broadband parameters, together with linear one-third octave band L_{eq} levels, with a logging interval of 1 second. The following table contains a summary of the data rounded to the nearest decibel (and includes a – 3 decibel façade enhancement correction in order to ascertain free field noise levels).

Table 3.1 – Baseline Noise Measurement Data

NMP	Date	Time	L _{Aeq} (dB)	L _{A90} (dB)	L _{A10} (dB)	L _{A1} (dB)	Comments
1	Friday 21/11/2025	1400–1500	72	61	75	80	A58 St Mary's Gate road traffic
	Friday 21/11/2025	1500–1600	72	61	75	81	
	Friday 21/11/2025	1600–1700	72	61	75	81	
72 dB L_{Aeq} (0700–2300) daytime 67 dB L_{Aeq} (2300–0700) night time (based on typical 5 dB difference from daytime) 82 dB L_{AFMax} 11th highest maxima over daytime survey							
2	Friday 21/11/2025	1245–1345	49	44	52	58	As above
Circa 23 decibels quieter at the rear façade compared to the front façade as fully screened from A58 St Mary's Gate traffic and set further back from road							

- 3.05 The measured road traffic noise level is consistent with the 'C' spectrum i.e. free-flowing traffic.
- 3.06 The ambient noise climate is, as expected, relatively high and a + 37 decibel reduction from outside to inside is required in order to achieve good internal noise levels.
- 3.07 For reference, the ambient noise levels are consistent (within 1 decibel) with those reported in the Noise Assessment undertaken for Rochdale Borough Council Planning Permission 21/00456/FUL at 28 St Mary's Gate (note: this noise assessment reported the 'as measured' noise levels at the façade but did not account for the + 3 decibel façade enhancement correction).

4.00 BRITISH STANDARD 8233:2014 GUIDANCE ON SOUND INSULATION AND NOISE REDUCTION FOR BUILDINGS 9BS 8233)

4.01 BS 8233 sets guideline indoor ambient noise levels for dwellings as reproduced below.

Table 4.1 – BS 8233:2014 Indoor Ambient Noise Levels in Dwellings

Activity	Location	0700–2300 hours	2300–0700 hours
Dining	Dining Room	40 dB L _{Aeq}	–
Resting	Living Room	35 dB L _{Aeq}	–
Sleeping (daytime resting)	Bedroom	35 dB L _{Aeq}	30 dB L _{Aeq}

4.02 Note 5 to the above table states ‘If relying on closed windows to meet the guide values, there needs to be an appropriate alternative ventilation that does not compromise the façade insulation or the resulting noise level. If applicable, any room should have adequate ventilation (e.g. trickle ventilators should be open) during assessment.’

5.00 SCHEME OF NOISE MITIGATION MEASURES

5.01 The sound insulation (glazing and ventilation) requirements have been calculated using the methodology advocated in BS 8233:2014 and are set out in the following table.

Table 5.1 – Scheme of Noise Mitigation Measures

Façade	External Level	Noise Mitigation Measures
St Marys Gate	72 dB L _{Aeq} (0700–2300) 67 dB L _{Aeq} (2300–0700) 81 dB L _{AFMax} (2300–0700)	Option A: 6 mm secondary glazing ≥ 100 mm from existing window (Appendix 6) Option B: new glazing ≥ 43 dB R _w & acoustic vents ≥ 40 dB D _{n,e,w} per 4,000 mm ² (Appendix 7) Irrespective of whether Option A or B, NIR 1975 mechanical room ventilator (Appendix 8)
Rear	49 dB L _{Aeq} (0700–2300) 44 dB L _{Aeq} (2300–0700) 59 dB L _{AFMax} (2300–0700)	Glazing irrelevant as BS 8233 compliant with partially open windows

5.02 Supplementary ventilation is to be provided to habitable rooms (1 no. communal lounge and 3 no. bedrooms) on the A58 St Mary’s Gate façade by an individual mechanical room ventilator compliant with the Noise Insulation Regulations 1975 (such as the Titon Sonair 3).

5.03 The control of the ambient noise levels has been assessed by the Building Research Establishment’s Building Envelope Insulation software (as reproduced in Figure 5. overleaf). The model illustrates a reduction of circa 40 decibels from outside to inside. This is sufficient to reduce ambient levels from 72 dB L_{Aeq} (0700–2300), 67 dB L_{Aeq} (2300–0700) and 82 dB L_{AFMax} (2300–0700) externally to below 35 dB L_{Aeq} (0700–2300), 30 dB L_{Aeq} (2300–0700) and 45 dB L_{AFMax} (2300–0700) internally as prescribed by BS 8233.

Figure 5.1 – BRE Building Envelope Insulation Model (St Mary's Gate Façade)

BRE Building Envelope Insulation

Switch to Reverberation Time Calculation

2) Select elements of facade structure, and enter corresponding internal surface area in m² OR enter number of vents.

1) Enter room dimensions or volume

Use dimensions

x m

y m

z m

Volume m³

OR

Use volume

30 m³

Check surface area or number of vents

3) Enter reverberation time of the room.

0.5 seconds

4) Select exterior sound level type

Option (A) ☐ User-defined spectrum

72 dB LAeq (daytime)

View/Edit Data

Option (B) ☒ Spectrum shape

Select spectrum shape and enter free field exterior sound level, L_{Aeq} (considering only the octave bands between 125Hz and 2kHz)

L_{Aeq} 72 dB

ISO 717-1 (C)

View Data

Internal sound level

L_{Aeq} 32.1 dB

- 5.04 With respect to sound insulation, Building Regulations Approved Document E 'Resistance to the Passage of Sound' states 'Dwelling-houses, flats, and rooms for residential purposes shall be design and constructed in such a way that they provide reasonable resistance to sound from other parts of the same building and from adjoining buildings'.
- 5.05 ADE sets out minimum performance criteria for a separating floor between residential uses formed by a material change of use of at least 43 dB $D_{nT,w} + C_{tr}$ (the higher the better). In the situation where residential use is adjacent to non-residential use, a judgement is to be made whether a higher standard of sound insulation is required due to the level and/or character of noise generated within the non-residential use.
- 5.06 It is understood the ground floor is to be used as a pilates studio (a low impact stretching activity and conditioning exercise that builds core strength within the body, improves posture and flexibility through small repetitive movements) during daytime hours only. Whilst it is considered that the noise sources within a pilates studio are not materially different in character to those found within a residential setting (nor significant in level being measured at less than 70 dB L_{Aeq}), given the relatively larger floor area of the pilates studio in comparison to the accommodation above, it is considered that a + 3 dB enhancement on ADE will provide sufficient protection to noise to future occupants.
- 5.07 It is therefore considered that the airborne sound insulation of the separating floor between the proposed ground floor pilates studio and the overlying accommodation should be at least 46 dB $D_{nT,w} + C_{tr}$; this represents a + 3 decibel betterment of the minimum performance requirements of ADE and is considered robust in terms of protecting the amenity of future occupants. Such a level of airborne sound insulation will be readily achieved by the existing circa 200 mm concrete separating floor.

We trust the foregoing is to your satisfaction. Should you have any queries, please do not hesitate to contact us.

Yours sincerely

Jonathan Rigg
Associate Member of the Institute of Acoustics
For and on behalf of RP Acoustics Ltd

APPENDIX 1 GLOSSARY OF ACOUSTIC TERMS

Sound Pressure Level (L_p)

The basic unit of sound measurement is the sound pressure level. As the pressures to which the human ear responds can range from 20 μPa to 200 Pa, a linear measurement of sound levels would involve many orders of magnitude. Consequently, the pressures are converted to a logarithmic scale and expressed in decibels (dB) as follows:

$$L_p = 20 \log_{10}(p/p_0)$$

Where L_p = sound pressure level in dB; p = rms sound pressure in Pa; and p_0 = reference sound pressure (20 μPa).

A-weighting Network

A frequency filtering system in a sound level meter, which approximates under defined conditions the frequency response of the human ear. The A-weighted sound pressure level, expressed in dB(A), has been shown to correlate well with subjective response to noise.

Equivalent continuous A-weighted sound pressure level, $L_{Aeq, T}$

The value of the A-weighted sound pressure level in decibels of continuous steady sound that within a specified time interval, T , has the same mean-square sound pressure as a sound that varies with time. $L_{Aeq, 16h}$ (07:00 to 23:00 hours) and $L_{Aeq, 8h}$ (23:00 to 07:00 hours) are used to qualify daytime and night time noise levels.

$L_{A10, T}$

The A-weighted sound pressure level in decibels exceeded for 10% of the measurement period, T . $L_{A10, 18h}$ is the arithmetic mean of the 18 hourly values from 06:00 to 24:00 hours.

$L_{A90, T}$

The A-weighted sound pressure level of the residual noise in decibels exceeded 90% of a given time interval, T . L_{A90} is typically taken as representative of background noise.

$L_{AF \max}$

The maximum A-weighted noise level recorded during the measurement period. The subscript 'F' denotes fast time weighting, slow time weighting 'S' is also used.

Sound Exposure Level (SEL or L_{AE})

The energy produced by a discrete noise event averaged over one second, no matter how long the event actually took. This allows for comparison between different noise events that occur over different lengths of time.

APPENDIX 2
APPLICATION SITE LOCATION PLAN



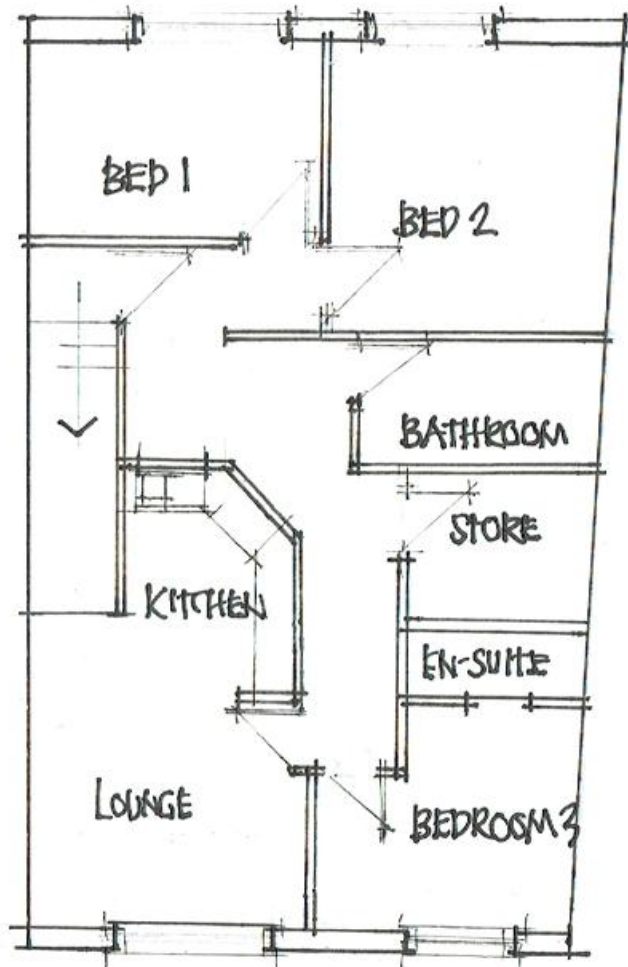
SITE LOCATION PLAN
AREA 2 HA
SCALE 1:1250 on A4
CENTRE COORDINATES: 389673, 413668



Supplied by Streetwise Maps Ltd
www.streetwise.net
Licence No: 100047474
06/10/2025 08:36

APPENDIX 3
PROPOSED FLOOR PLANS

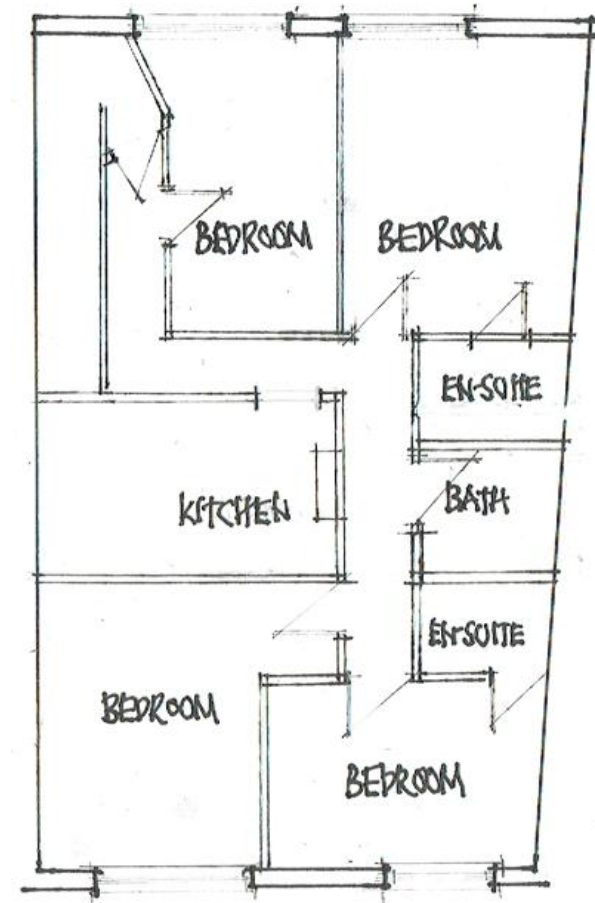
ST MARYS GATE



PROPOSED FIRST FLOOR

SCALE 1:100

ST MARYS GATE



PROPOSED SECOND FLOOR

APPENDIX 4 NOISE MONITORING POSITIONS



APPENDIX 5

CALIBRATION CERTIFICATE FOR SOUND LEVEL METER (CALIBRATION EVERY 2 YEARS)

Laboratory Location

Campbell Associates Ltd

5b Chelmsford Road Industrial Estate
GREAT DUNMOW, Essex, GB-CM6 1HD
Phone 01371 871030



Certificate of Calibration and Conformance

Certificate number: **U46717**

Test Object: Sound Level Meter, BS EN IEC 61672-1:2013 Class 1
Associated Frequency Analyser to BS EN IEC 61260:1996 Class 1

Producer: NTi Audio
Type: XL2-TA
Serial number: A2A-17283-E0
Customer: RP Acoustics Ltd
Address: 1 Dobcroft Close,
Sheffield. S11 9LL.
Contact Person: Richard Pennell
Order No: RPA/24/CAL/01

Introduction:

Calibration has been performed as set out in CA Technical Procedures which are based on the procedures for periodic verification of sound level meters as per the **Test Object** listed above. Results and conformance statement are overleaf and detailed results, where appropriate, are provided in the attached Measurement Report.

Tested:	Producer	Type	Serial No	Certificate No
Microphone	NTi Audio	MC230A	A23655	46716
Calibrator*	Larson Davis	CAL200	17115	U46700
Preamplifier	NTi Audio	MA220	11174	Included

* The calibrator was complete with any required coupler for the microphone specified.

Additional items that have also been submitted for verification:

Wind shield N/A
Attenuator N/A
Extension cable N/A

These items have been taken into account wherever appropriate.

Instruction Manual: NTi-Audio XL2 Operating Manual v3.11.02 August 2016 Firmware Version: V4.71 The test object is a single channel instrument.

Conditions	Pressure kPa	Temperature °C	Humidity %RH
Reference conditions	101.325	23	50
Measurement conditions	97.15 ±0.02	22.30 ±0.4	43.48 ±0.65

Calibration Dates:

Received date: 23/01/2024 Reviewed date: 09/02/2024
Calibration date: 09/02/2024 Issued date: 09/02/2024

Technicians: (Electronic certificate)

Calibrated by: *Palanivel Marappan B.Eng (Hons), M.Sc*

Reviewed by: *Darren Batten*

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

Doc ref: Sim-Cert-Master-V3-07

APPENDIX 6 GLAZING SPECIFICATION (ST MARY'S GATE FAÇADE)

info.glass@nichollsandclarke.com 0845 6051350



COMPARISON CHART

The charts below show comparisons between various types of glass and insulated glass units and also between the Rw, Rw+C & Rw+Ctr indices.

Single Glass	Rw	Rw+C	Rw+Ctr
6.4mm Laminated Safety Glass	32 dB	31 dB	29 dB
6.8mm Laminated Safety Glass	33 dB	31 dB	29 dB
10.8mm Laminated Safety Glass	34 dB	33 dB	31 dB
6.8mm Acoustic Laminated	35 dB	34 dB	32 dB
8.8mm Acoustic Laminated	37 dB	36 dB	33 dB
10.8mm Acoustic Laminated	38 dB	37 dB	36 dB
12.8mm Acoustic Laminated	39 dB	39 dB	37 dB
16.8mm Acoustic Laminated	40 dB	40 dB	38 dB

Double Glazed Units	Rw	Rw+C	Rw+Ctr
4mm / 20 spacer / 4mm IGU	31 dB	30 dB	25 dB
6mm / 16 spacer / 6mm IGU	31 dB	30 dB	27 dB
8mm / 16 spacer / 6mm IGU	35 dB	33 dB	29 dB
10mm / 16 spacer / 6mm IGU	40 dB	38 dB	35 dB
6.8mm Acoustic / 16 spacer / 6mm IGU	38 dB	36 dB	33 dB
8.8mm Acoustic / 16 spacer / 6mm IGU	41 dB	38 dB	34 dB
10.8mm Acoustic / 16 spacer / 6mm IGU	41 dB	39 dB	35 dB
12.8mm Acoustic / 16 spacer / 6mm IGU	41 dB	40 dB	36 dB
16.8mm Acoustic / 16mm spacer / 16.8mm Acoustic	48 dB	46 dB	42 dB

Triple Glazed Units	Rw	Rw+C	Rw+Ctr
4mm / 8mm spacer / 4mm / 8mm spacer / 4mm	31 dB	30 dB	27 dB
4mm / 10mm spacer / 4mm / 10mm spacer / 4mm	32 dB	31 dB	26 dB

Secondary Glazing	Rw	Rw+C	Rw+Ctr
6 / 100 / 4	46 dB		37 dB
6 / 150 / 4	47 dB		39 dB
10 / 200 / 6	49 dB		45 dB

Sound insulation data measured in accordance with BS EN ISO 140-3 and indices derived in accordance with BS EN ISO 717-1

APPENDIX 6 GLAZING SPECIFICATION (ST MARY'S GATE FAÇADE)



Pilkington Optiphon™

	dB sound reduction index by octave band – Hz						$R_w(C;C_2)$	R_w	R_w+C	R_w+C_{tr}
	125	250	500	1000	2000	4000				

Configuration single glazing

6.8 mm Pilkington Optiphon™	21	26	31	35	37	38	35(-1;-3)	35	34	32
8.8 mm Pilkington Optiphon™	24	28	34	38	37	43	37(-1;-4)	37	36	33
10.8 mm Pilkington Optiphon™	28	31	36	38	39	47	38(-1;-2)	38	37	36
12.8 mm Pilkington Optiphon™	30	32	37	39	41	51	39(-0;-2)	39	39	37
16.8 mm Pilkington Optiphon™	29	34	37	39	46	55	40(-0;-2)	40	40	38

Configuration Insulating Glass Unit (IGU), thickness in mm

6 / 6 to 20 mm / 6.8 Pilkington Optiphon™	23	24	34	42	43	52	38(-2;-5)	38	36	33
6 / 6 to 20 mm / 8.8 Pilkington Optiphon™	24	26	40	48	46	54	41(-3;-7)	41	38	34
6 / 6 to 20 mm / 10.8 Pilkington Optiphon™	23	28	41	47	45	55	42(-3;-7)	42	39	35
6 / 6 to 20 mm / 12.8 Pilkington Optiphon™	20	29	43	47	46	49	42(-3;-8)	42	39	34
8.8 Pilkington Optiphon™ / 6 to 20 mm / 12.8 Pilkington Optiphon™	26	36	46	50	52	63	47(-2;-7)	47	45	40
16.8 Pilkington Optiphon™ / 6 to 20 mm / 16.8 Pilkington Optiphon™	29	40	45	47	54	68	48(-2;-6)	48	46	42

The above IGUs with Pilkington **K Glass™** on one pane and a 16 mm 90 % Argon-filled cavity achieve a U value of 1.5 W/m² K

Further information on solar and thermal performance is available on the Pilkington website using the Spectrum program: www.pilkington.com/spectrum

Impact classification EN12600 Class 1(B)1 for all above Pilkington **Optiphon™** products

$R_w(C;C_2)$ are in accordance with EN717-1

Non Pilkington Optiphon™ glass products. Figures from BS EN 12354

	dB sound reduction index by octave band – Hz						$R_w(C;C_2)$	R_w	R_w+C	R_w+C_{tr}
	125	250	500	1000	2000	4000				

Configuration single glazing

4 mm Float Glass	17	20	26	32	33	26	29(-2;-3)	29	27	26
6 mm Float Glass	18	23	30	35	27	32	31(-2;-3)	31	29	28
8 mm Float Glass	20	24	29	34	29	37	32(-2;-3)	32	30	29
10 mm Float Glass	23	26	32	31	32	39	33(-2;-3)	33	31	30
12 mm Float Glass	27	29	31	32	38	47	34(-0;-2)	34	34	32

Configuration Insulating Glass Unit (IGU), Float glass, thickness in mm

4 / 6 to 20 mm / 4	21	17	25	35	37	31	29(-1;-4)	29	28	25
6 / 6 to 20 mm / 6	20	18	28	38	34	38	31(-1;-4)	31	30	27
6 / 6 to 20 mm / 4	21	20	26	38	37	39	32(-2;-4)	32	30	28
10 / 6 to 20 mm / 4	24	21	32	37	42	43	35(-2;-5)	35	33	30
10 / 6 to 20 mm / 6	24	24	32	37	37	44	35(-1;-3)	35	34	32

Note that these are conservative figures and cover all products by European glass manufacturers.

R_w = Weighted sound reduction. This scale allows for the response of the human ear and could be used for determining a suitable product to reduce noise such as voices.

C = An adjustment to the R_w scale that could be used for selecting a product to reduce noise from music, radio, tv, high speed traffic and other medium to high frequencies.

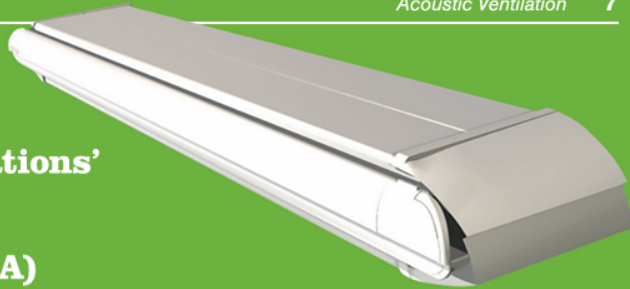
C_{tr} = An adjustment to the R_w scale that could be used for selecting a product to reduce noise from urban road traffic, disco music and other noises with a large component of low frequencies.

Note that a 3 dB difference is barely discernable, 5 dB is clearly discernable and 10 dB is a doubling or halving of the noise.

APPENDIX 7 ACOUSTIC TRICKLE VENT SPECIFICATION (ST MARY'S GATE FAÇADE)

Acoustic Ventilation 7

**The best of both worlds...
achieves Building Regulations'
EA requirements along
with fantastic acoustic
performances up to 45dB(A)**



Features and benefits

- Smallest acoustic window vents providing 2500mm² or 5000mm² equivalent area ventilation on the market
- Achieves the best acoustic performance for window ventilators available within the UK – up to 45dB(A)
- A simple, yet adaptable, solution to meet required specification/ Building Regulation requirements incorporating both high levels of equivalent area ventilation and acoustic noise reduction
- Modularity of acoustic sets provides flexibility for installation and acoustic performance
- Aesthetically pleasing design which is easy to open and control by the homeowner
- Excellent airtightness performance with upward air deflection to reduce the risk of draughts
- May require add on section in some window installations
- Available in any RAL colour on a made-to-order basis, please contact us for more information

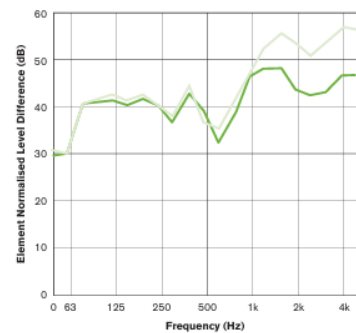
Sets comprise of:

1 EA vent + 1 external acoustic module – providing noise reduction with discreet internal aesthetics.

1 EA vent + 2 acoustic modules (for internal and external install) – providing maximum noise reduction.

Performance

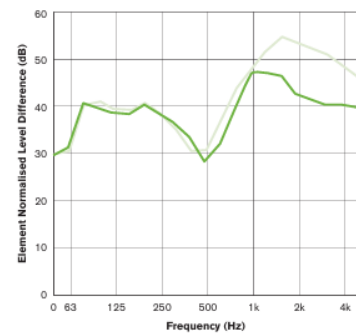
2500EA acoustic performance



Key

2500EAW.AC1 2500EAW.AC2

5000EA acoustic performance



Key

5000EAW.AC1 5000EAW.AC2

Models, control options and key data

Product code	Description	Controls	Acoustic performance			Equivalent area mm ²	Colour
			Dn,e,w	Dn,e,w (C)	Dn,e,w (Ctr)		
2500EAW.AC1 *	Vent + 1 Acoustic External Module	Front	42dB(A)	41dB	40dB	2749	White
2500EAW.AC2 *	Vent + 2 Acoustic Modules	Front	45dB(A)	43dB	42dB	2736	White
5000EAW.AC1 *	Vent + 1 Acoustic External Module	Front	39dB(A)	38dB	37dB	5713	White
5000EAW.AC2 *	Vent + 2 Acoustic Modules	Front	42dB(A)	40dB	38dB	5497	White

* Pricing is variable depending on quantity ordered - please call for details

APPENDIX 8 NIR 1975 MECHANICAL ROOM (ST MARY'S GATE FAÇADE)

Sonair 3

Acoustic (sound attenuating) filtered air supply units

For use fitted through walls

Sonair 3 provides mechanical input ventilation when switched on, when switched off provides background trickle ventilation which includes a controllable shutter.

It is designed with sound attenuating features to reduce noise transferring from outside to inside the home

Sonair 3 is a wall mounted input fan featuring a detachable remote control with an LED speed indicator.

- Sonair 3 ventilates and filters the air
- Independently tested for acoustic performance
- Exceptional sound attenuation (up to 58dB)
- Air cleaning
- Low energy

Sonair 3



Features & Benefits

- Meets guidelines for occupant accessibility
- Increase occupant awareness of system operation
- Discreet design
- power lead is 1.8m long and fitted with a 3 pin plug
- Supplied with a flexible 1.8m long cable with a 13 amp 3 pin plug fitted with a 3 amp fuse

Performance

Approximate input airflow rate (m³/h) – 20-150m³/h

Acoustic Dn,e,w (-1/-) – Dn,e,w (C;Ctr) 58(-1;-2)dB*

Tested to the 'Noise Insulation Regulations'

Background ventilation rate of 2400EA when the unit is switched off, recirculation flap closed and with the shutter open

*Sound insulating tube D100 required

Product	Product Code
Sonair 3 including G4/ISO Coarse 60%	352004
Sonair 3 Filter G4/ISO Coarse 60%	535083
Sonair 3 Sound Insulating Tube D100	110361
100mm dia (non-sound insulating) duct 350mm long	8960097
White external grille	8960105
Brown external grille	8960102
Beige external grille	8960103

All items supplied separately

Control

The Sonair 3's portable remote control lets you control the amount of freshly supplied outdoor air. The Sonair 3 has 10 ventilation settings.