

BuzziClipse 220-240V Product Specification Sheet

This document contains technical information about the BuzziClipse Square, Rectangular & Square Double




www.buzzi.space


Acoustic play of light


BuzziClipse offers the best of both worlds; subtle back lighting experience and highly acoustical performance. The frontpanel of BuzziClipse, designed to tackle acoustical issues in a room, is based on a highly finished aluminium frame, housing the LED line with an output of 870 lumen. The LED frame is offered in 2 variants: square and rectangular. Playing with different LED frames combined with front panels, upholstered in different fabrics, results in a nice wall feature. A true acoustical “eclipse”.

Design by BuzziSpace Studio

General

 Square, Rectangular, Square Double

 LED frame: Anodised aluminium
Panel: Poplar multiplex frame
CME35H foam filling
Upholstered in Fabric, Rough, Trevira CS+ | CS, Terra

 LED light wall mounted
Light output on 4 sides
Input Voltage: 220 - 240 V
Input Frequency: 50/60Hz

 IP20 Dry usage

Certifications

CE/CB

Acoustics



Absorption



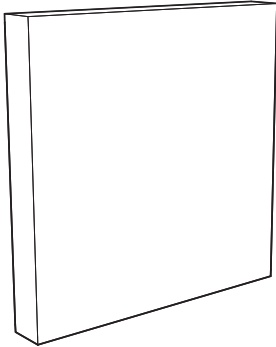
Diffusion

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Configurations

BuzziClipse Square



◆ SQ-4, SQ-8, SQ-12, SQ-Wedge

Anodised aluminium LED frame

🌲 Acoustic panel upholstered in Fabric, Rough, Trevira CS+ | CS, Terra

SQ-4: W 59,5 cm H 59,5 cm D 7 cm

SQ-8: W 59,5 cm H 59,5 cm D 11 cm

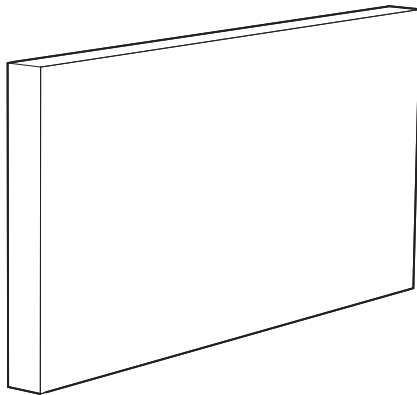
✂ SQ-12: W 59,5 cm H 59,5 cm D 15 cm

SQ-Wedge: W 59,5 cm H 59,5 cm D 7 to 15 cm

💡 LED light wall mounted

LED 21W | 3528SMD | 2700K | > 85CRI | 580lm

BuzziClipse Rectangular



◆ R-4, R-8, R-12, R-Woss, R-Wols

Anodised aluminium LED frame

🌲 Acoustic panel upholstered in Fabric, Rough, Trevira CS+ | CS, Terra

R-4: W 119 cm H 59,5 cm D 7 cm

R-8: W 119 cm H 59,5 cm D 11 cm

R-12: W 119 cm H 59,5 cm D 15 cm

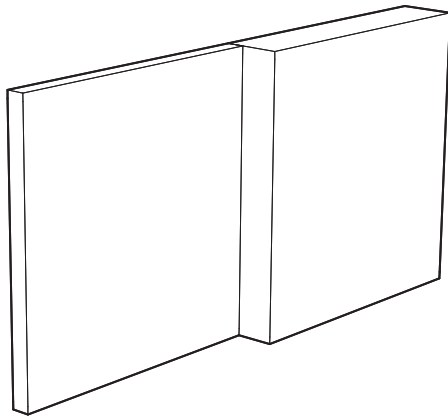
✂ R-Woss: W 119 cm H 59,5 cm D 7 to 15 cm
(Wedge on short side)

R-Wols: W 119 cm H 59,5 cm D 7 to 15 cm
(Wedge on long side)

💡 LED light wall mounted, horizontal or vertical

LED 33W | 3528SMD | 2700K | > 85CRI | 870lm

BuzziClique Square Double



🔑 SQ-4 + SQ-4, SQ-4 + SQ-8, SQ-4 + SQ-12, SQ-4 + SQ-W,
SQ-8 + SQ-8, SQ-8 + SQ-12, SQ-8 + SQ-W,
SQ-12 + SQ-12, SQ-12 + SQ-W, SQ-W + SQ-W

🌳 Anodised aluminium LED frame

🌳 Acoustic panel upholstered in Fabric, Rough, Trevira CS+ |CS,
Terra

SQ-4 + SQ-4: W 119 cm H 59,5 cm D 7 cm

SQ-4 + SQ-8: W 119 cm H 59,5 cm D 11 cm

SQ-4 + SQ-12: W 119 cm H 59,5 cm D 15 cm

SQ-4 + SQ-W: W 119 cm H 59,5 cm D 15 cm

✂ SQ-8 + SQ-8: W 119 cm H 59,5 cm D 11 cm

SQ-8 + SQ-12: W 119 cm H 59,5 cm D 15 cm

SQ-8 + SQ-W: W 119 cm H 59,5 cm D 15 cm

SQ-12 + SQ-12: W 119 cm H 59,5 cm D 15 cm

SQ-12 + SQ-W: W 119 cm H 59,5 cm D 15 cm

SQ-W + SQ-W: W 119 cm H 59,5 cm D 15 cm

💡 LED light wall mounted, horizontal or vertical
LED 33W | 3528SMD | 2700K | > 85CRI | 870lm

Composition



The BuzziClipse has two main components: the LED frame and an acoustic panel.

LED Frame



The LED frame for BuzziClipse Square consists of an anodised aluminium frame fitted with LED strips on all four sides, finished with an opaque diffuser. The LED frame emits a warm white light of 580 lumen. A bracket to mount the acoustic panel onto the LED frame and a LED driver are included.



The LED frame for BuzziClipse Square Double and Rectangular consists of an anodised aluminium frame fitted with LED strips on all four sides, finished with an opaque diffuser. The LED frame emits a warm white light of 870 lumen. Two brackets to mount the acoustic panel(s) onto the LED frame and a LED driver are included.

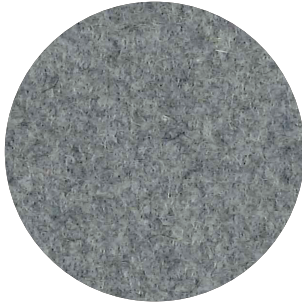
Acoustic Panel



The acoustic panels are available in a thickness of 4, 8 or 12 cm or in a wedged variant going from 4 - 12 cm in thickness. They consist of a poplar multiplex frame and a foam filling upholstered in a variety of fabrics.

Fabrics

Fabric



Category A

Composition 70% Recycled Wool, 25% Recycled Polyacryl,
5% Recycled Other Fabrics

Weight 405 g/m² | 11.94 oz/yd²

Abrasion resistance 40.000 Martindale, 50,000 Wyzenbeek

Flammability EU: EN 1021.1/2006 | BS EN 1021.1/2006 (cigarette).
EN 1021.2/2006 | BS EN 1021.2/2006 (match)
USA: CAL TB 117 | ASTM E84 CLASS A

Fastness to light EU 4 | USA 4

Fastness to rubbing EU: Wet 3-4 | Dry 4-5

Fastness to crocking USA: Wet 5 | Dry 5



Rough



Category A

Composition 100% Polyacryl

Weight 456 g/m² | 13.45 oz/yd²

Abrasion resistance 40.000 Martindale

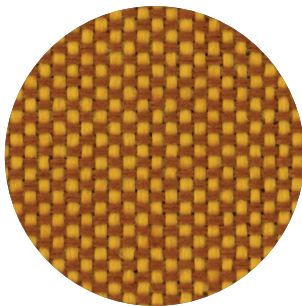
Flammability EU: EN 1021.1/2006 | BS EN 1021.1/2006 (cigarette)

Fastness to light EU: 5

Fastness to rubbing EU: Wet: 3 | Dry: 3



Trevira CS+ | CS



Category A

Weight 420 g/m² | 12.39 oz/yd²

Composition 100% Polyester, Trevira CS

Abrasion resistance 100.000 Martindale, 90,000 Wyzenbeek

Flammability BS 5852 part II: CRIB 5 | BS 7176 Medium Hazard
USA: CAL TB 117 | M1 | B1 | EN 1021/1-2 | C1 |
EN 1021/1-2
IMO Res. A652 (16)

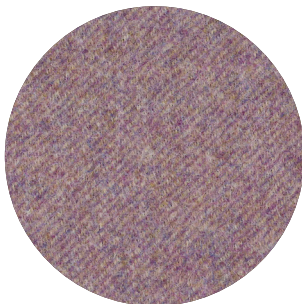
Fastness to light EU: 6 | USA 5

Fastness to rubbing EU: Wet 4-5 | Dry 4-5

Fastness to crocking USA: Wet 5 | Dry 5



Terra



Category B

Composition 100% Pure New Wool

Weight 370 g/m² | 10.91 oz/yd²

Abrasion resistance 40.000 Martindale, 25,000 Wyzenbeek

Flammability EU: BS5852 CRIB 5 | BS5867 PART 2 : 2008 : TYPE B
EN 1021.2/2006 | USA: CAL TB 117

Fastness to light EU 5 | USA 5

Fastness to rubbing EU: Wet 4 | Dry 4

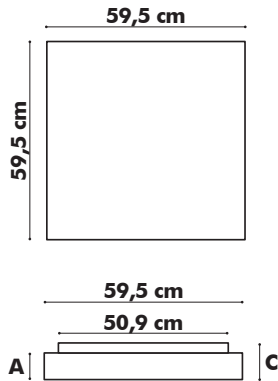
Fastness to crocking USA: Wet 4 | Dry 4



Dimensions

BuzziClipse Square

SQ-4-8-12-Wedge



SQ-4-8-12



SQ-Wedge*



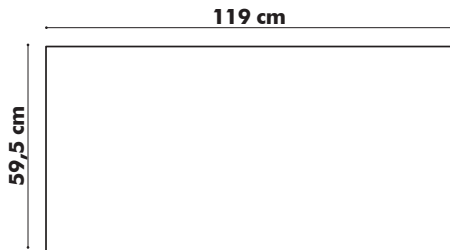
	SQ-4	SQ-8	SQ-12	SQ-Wedge
A	4 cm	8 cm	12 cm	4 cm
B	-	-	-	12 cm
C	7 cm	11 cm	15 cm	15 cm
D	-	-	-	7 cm

*Acoustic panel wedge can be mounted in 4 directions on LED frame

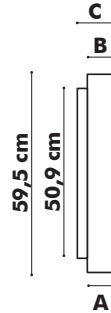
BuzziClipse Rectangular

Can be mounted in horizontal or vertical direction to the wall.

R-4-8-12-Woss-Wols*



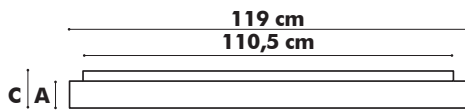
R-4-8-12



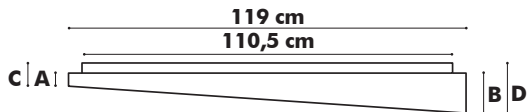
R-Woss*



R-4-8-12



R-Wols*



	R-4	R-8	R-12	R-Woss*	R-Wols*
A	4 cm	8 cm	12 cm	4 cm	4 cm
B	-	-	-	12 cm	12 cm
C	7 cm	11 cm	15 cm	15 cm	7 cm
D	-	-	-	7 cm	15 cm

* Woss - Wedge on short side

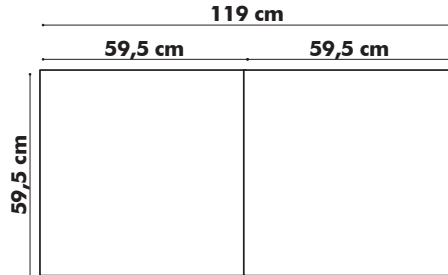
* Wols - Wedge on long side

* Acoustic panel Woss and Wols can be mounted in two directions on LED frame

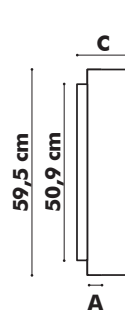
BuzziClipse Square Double

Can be mounted in horizontal or vertical direction to the wall.

SQ-4-8-12-Wedge



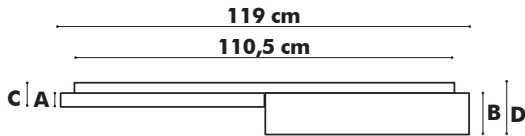
SQ-4-8-12



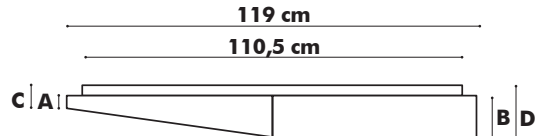
SQ-Wedge



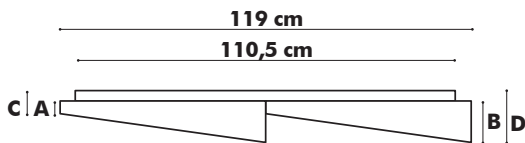
SQ-4-8-12



SQ-4-8-12 + Wedge



SQ Wedge + Wedge



	SQ-4 + SQ-4	SQ-4 + SQ-8	SQ-4 + SQ-12	SQ-4 + SQ-W
A	4 cm	4 cm	4 cm	4 cm
B	4 cm	8 cm	12 cm	12 cm
C	7 cm	7 cm	7 cm	7 cm
D	7 cm	11 cm	15 cm	15 cm

	SQ-8 + SQ-8	SQ-8 + SQ-12	SQ-8 + SQ-W
A	8 cm	8 cm	8 cm
B	8 cm	12 cm	12 cm
C	11 cm	11 cm	11 cm
D	11 cm	15 cm	15 cm

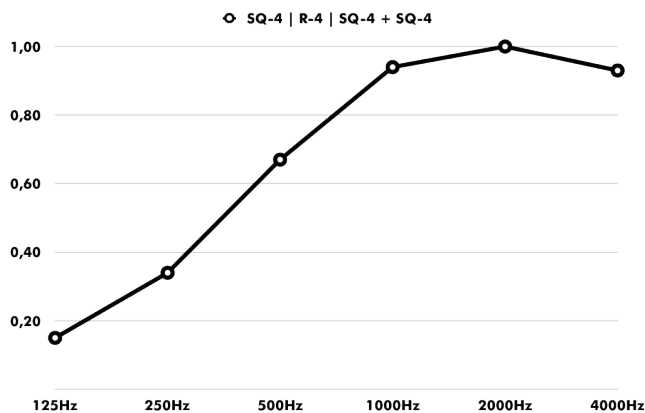
	SQ-12 + SQ-12	SQ-12 + SQ-W	SQ-W + SQ-W
A	12 cm	4 cm	4 cm
B	12 cm	12 cm	12 cm
C	15 cm	7 cm	7 cm
D	15 cm	15 cm	15 cm

Acoustic panel Wedge can be mounted in 4 directions to the LED frame.

Acoustics

BuzziClipse SQ-4 | R-4 | SQ-4 + SQ-4

Absorption coefficient



Hz	α^s
125	0.15
250	0.34
500	0.67
1000	0.94
2000	1.00
4000	0.93

Absorption Values

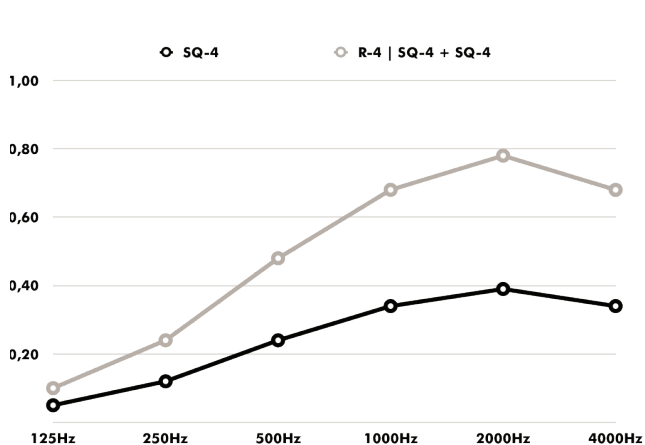
α_w
(ISO 11654) **0.65**

NRC
(ASTM - C423) **0.75**

SAA
(ASTM - C423) **0.76**

Class
(ISO 11654) **C**

Equivalent sound absorption area in m² per object

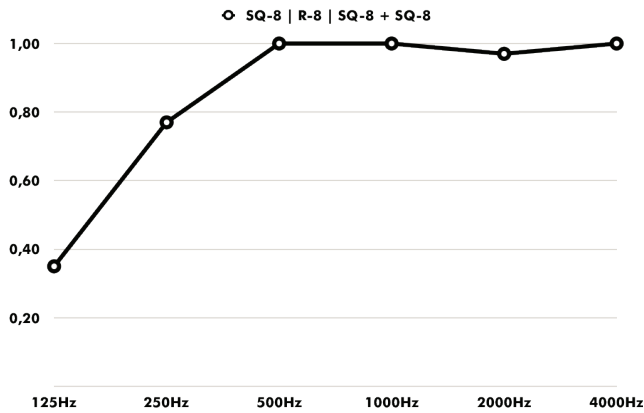


Hz	SQ-4 Aeq/m ²	R-4 SQ-4 + SQ-4 Aeq/m ²
125	0.05	0.10
250	0.12	0.24
500	0.24	0.48
1000	0.34	0.68
2000	0.39	0.78
4000	0.34	0.68

Glossary p. 21

BuzziClipse SQ-8 | R-8 | SQ-8 + SQ-8

Absorption coefficient



Hz	α^s
125	0.35
250	0.77
500	1,00
1000	1,00
2000	0,97
4000	1,00

Absorption values

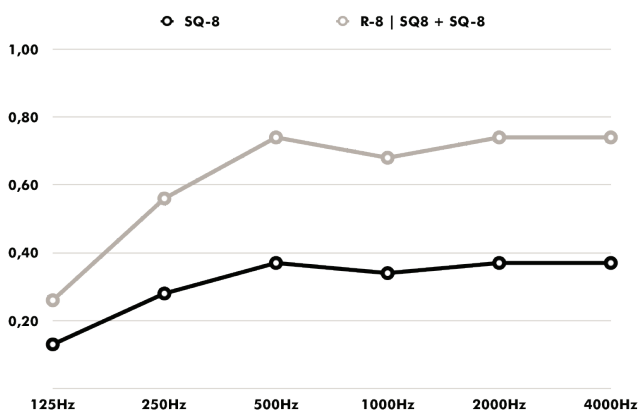
α_w
(ISO 11654) **1.00**

NRC
(ASTM - C423) **0.95**

SAA
(ASTM-C423) **0.95**

Class
(ISO 11654) **A**

Equivalent sound absorption area in m² per object

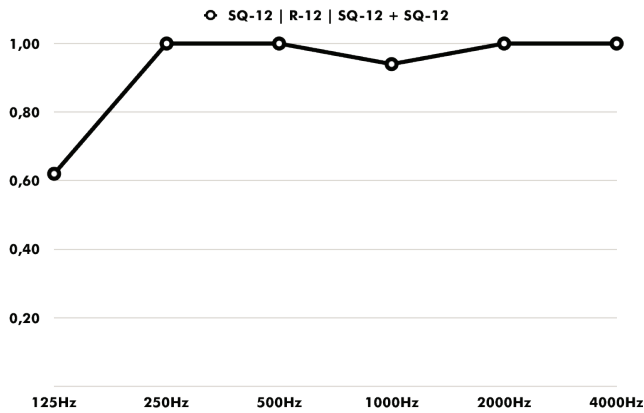


Hz	SQ-8 Aeq/m ²	R-8 SQ-8 + SQ-8 Aeq/m ²
125	0.13	0.26
250	0.28	0.56
500	0.37	0.74
1000	0.34	0.68
2000	0.37	0.74
4000	0.37	0.74

Glossary p. 21

BuzziClipse SQ-12 | R-12 | SQ-12 + SQ-12

Absorption coefficient



Hz	α^s
125	0.62
250	1.00
500	1.00
1000	0.94
2000	1.00
4000	1.00

Absorption values

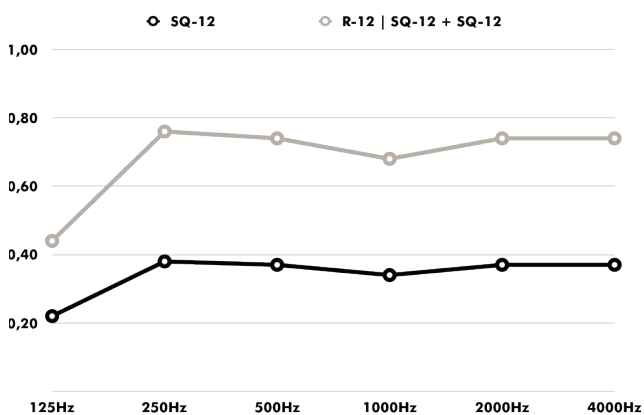
α_w
(ISO 11654) **1.00**

NRC
(ASTM - C423) **1.00**

SAA
(ASTM-C423) **1.00**

Class
(ISO 11654) **A**

Equivalent sound absorption area in m² per object

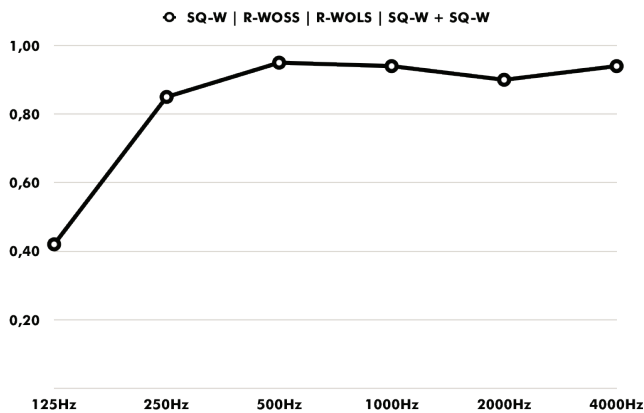


Hz	SQ-12 Aeq/m ²	R-12 SQ-12 + SQ-12 Aeq/m ²
125	0.22	0.44
250	0.38	0.76
500	0.37	0.74
1000	0.34	0.68
2000	0.37	0.74
4000	0.37	0.74

Glossary p. 21

BuzziClipse SQ-W | R-Woss | R-Wols | SQ-W + SQ-W

Absorption coefficient



Hz	α^s
125	0.42
250	0.85
500	0.94
1000	0.94
2000	0.90
4000	0.94

Absorption values

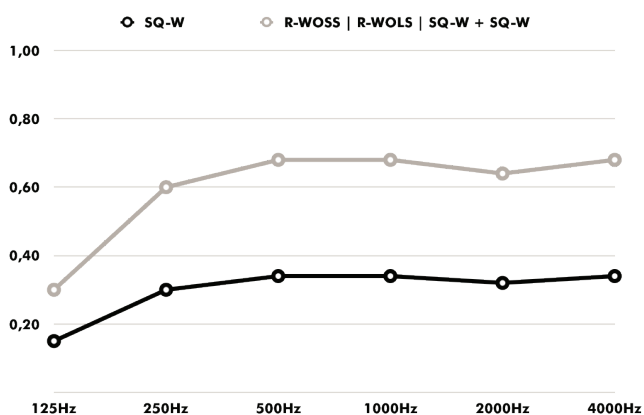
α_w
(ISO 11654) **0.95**

NRC
(ASTM - C423) **0.90**

SAA
(ASTM-C423) **0.91**

Class
(ISO 11654) **A**

Equivalent sound absorption area in m² per object

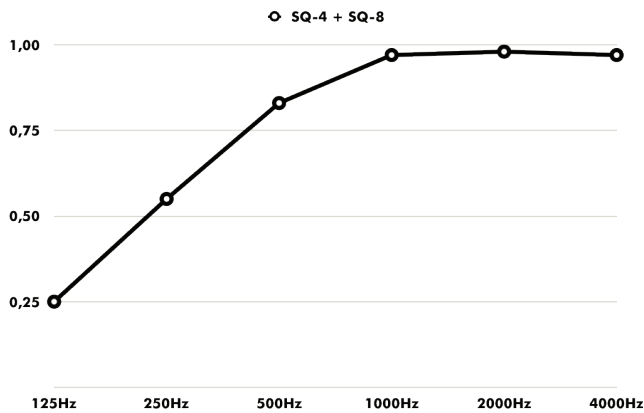


Hz	SQ-W Aeq/m ²	R-WOSS R-WOLS SQ-W + SQ-W Aeq/m ²
125	0.15	0.30
250	0.30	0.60
500	0.34	0.68
1000	0.34	0.68
2000	0.32	0.64
4000	0.34	0.68

Glossary p. 21

BuzziClipse SQ-4 + SQ-8

Absorption coefficient



Hz	α^s
125	0.25
250	0.55
500	0.83
1000	0.97
2000	0.98
4000	0.97

Absorption values

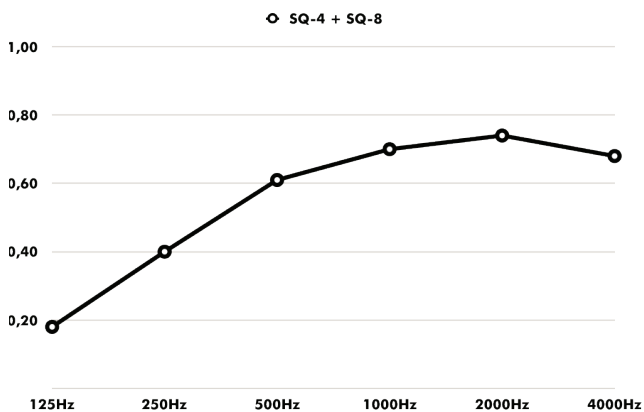
α_w
(ISO 11654) **0.80**

NRC
(ASTM - C423) **0.83**

SAA
(ASTM-C423) **0.75**

Class
(ISO 11654) **B (NRC)**

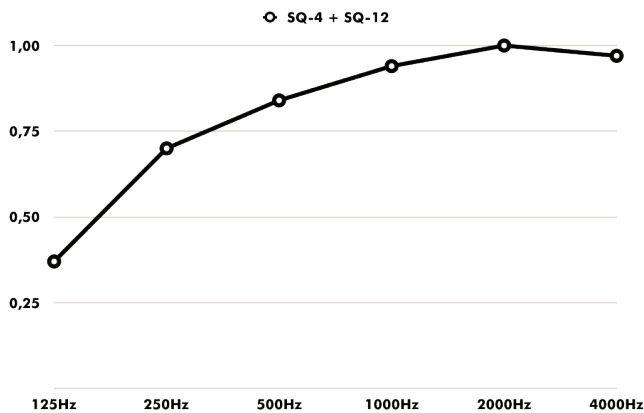
Equivalent sound absorption area in m² per object



Hz	Aeq/m ²
125	0.18
250	0.40
500	0.61
1000	0.70
2000	0.74
4000	0.68

BuzziClipse SQ-4 + SQ-12

Absorption coefficient



Hz	α^s
125	0.37
250	0.70
500	0.84
1000	0.94
2000	1
4000	0.97

Absorption values

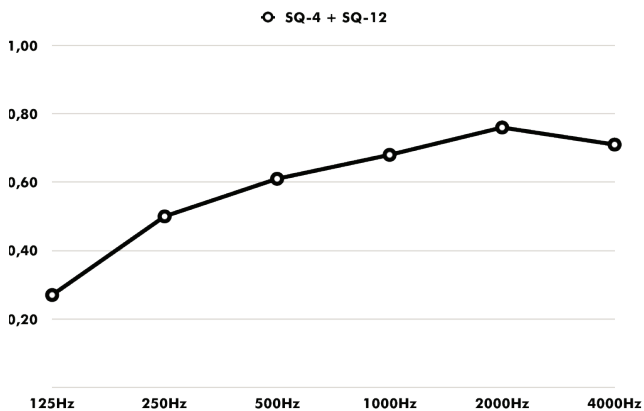
α_w
(ISO 11654) **0.85**

NRC
(ASTM - C423) **0.87**

SAA
(ASTM-C423) **0.85**

Class
(ISO 11654) **B**

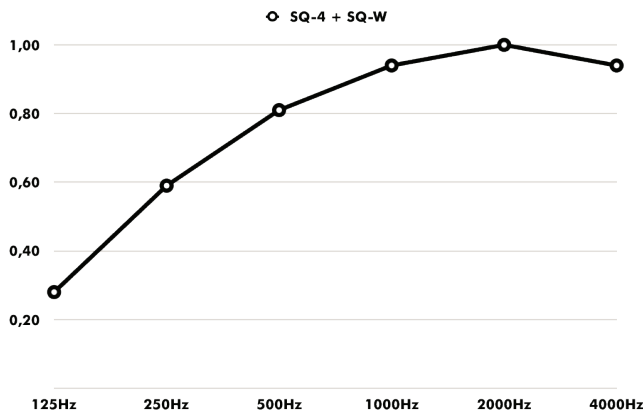
Equivalent sound absorption area in m² per object



Hz	Aeq/m ²
125	0.27
250	0.50
500	0.61
1000	0.68
2000	0.76
4000	0.71

BuzziClipse SQ-4 + SQ-W

Absorption coefficient



Hz	α^s
125	0.28
250	0.59
500	0.81
1000	0.94
2000	1
4000	0.94

Absorption values

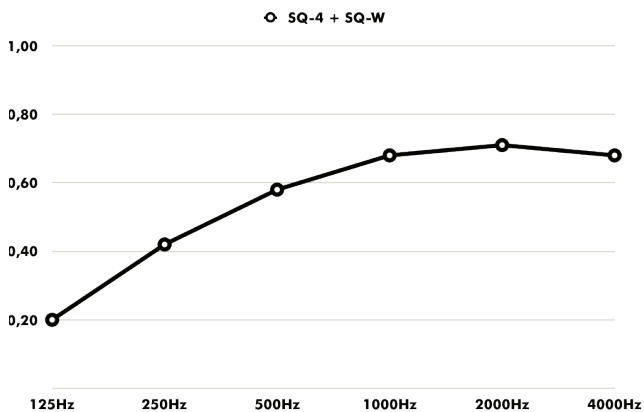
α_w
(ISO 11654) **0.80**

NRC
(ASTM - C423) **0.82**

SAA
(ASTM - C423) **0.80**

Class
(ISO 11654) **B**

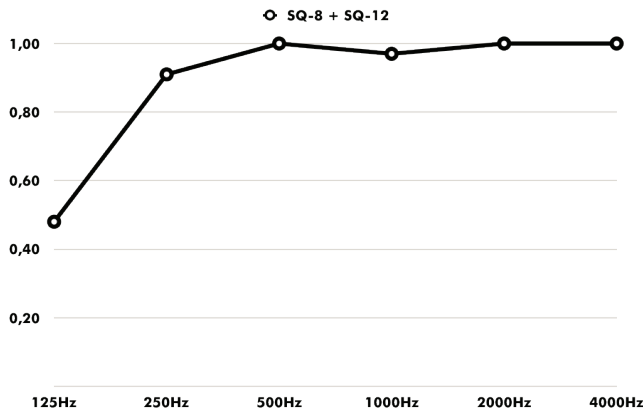
Equivalent sound absorption area in m² per object



Hz	Aeq/m ²
125	0.20
250	0.42
500	0.58
1000	0.68
2000	0.71
4000	0.68

BuzziClipse SQ-8 + SQ-12

Absorption coefficient



Hz	α^s
125	0.48
250	0.91
500	1
1000	0.97
2000	1
4000	1

Absorption values

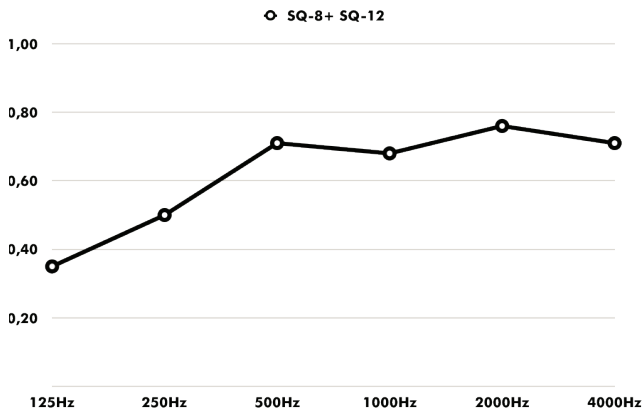
α_w
(ISO 11654) **0.90**

NRC
(ASTM - C423) **0.97**

SAA
(ASTM - C423) **0.96**

Class
(ISO 11654) **A**

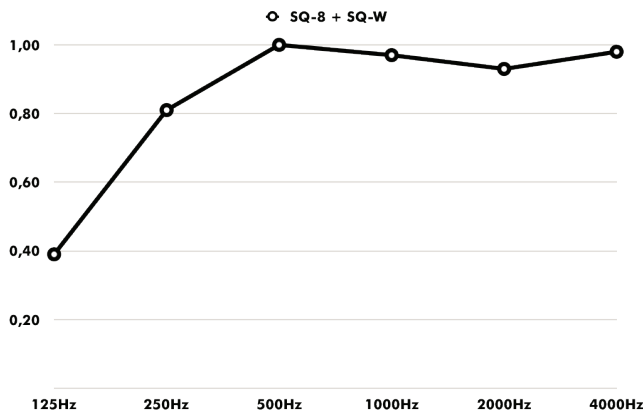
Equivalent sound absorption area in m² per object



Hz	Aeq/m ²
125	0.35
250	0.50
500	0.71
1000	0.68
2000	0.76
4000	0.71

BuzziClipse SQ-8 + SQ-W

Absorption coefficient



Hz	α^s
125	0.39
250	0.81
500	1
1000	0.97
2000	0.93
4000	0.98

Absorption values

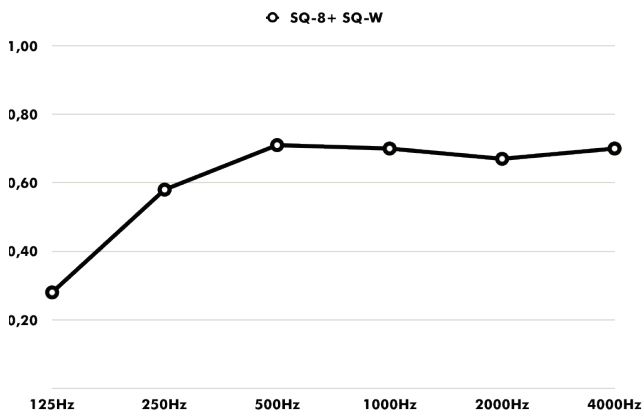
α_w
(ISO 11654) **0.80**

NRC
(ASTM - C423) **0.92**

SAA
(ASTM - C423) **0.89**

Class **B** (α_w)
(ISO 11654) **A** (NRC)

Equivalent sound absorption area in m² per object

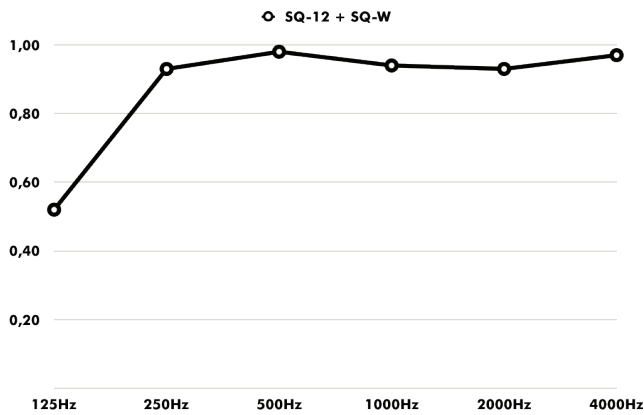


Hz	Aeq/m ²
125	0.28
250	0.58
500	0.71
1000	0.70
2000	0.67
4000	0.70

Glossary p. 21

BuzziClipse SQ-12 + SQ-W

Absorption coefficient



Hz	α^s
125	0.52
250	0.93
500	0.98
1000	0.94
2000	0.93
4000	0.97

Absorption values

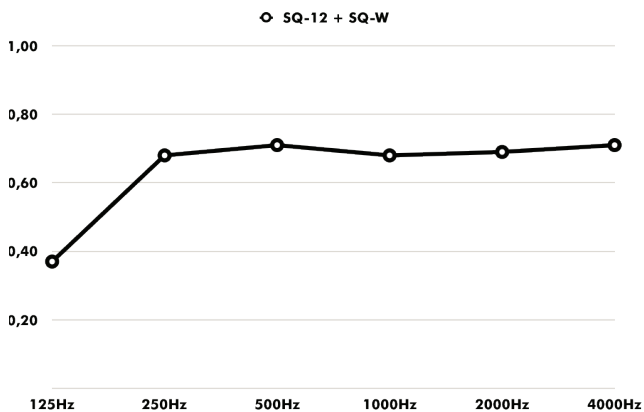
α_w
(ISO 11654) **0.90**

NRC
(ASTM - C423) **0.95**

SAA
(ASTM - C423) **0.95**

Class
(ISO 11654) **A**

Equivalent sound absorption area in m² per object



Hz	Aeq/m ²
125	0.37
250	0.68
500	0.71
1000	0.68
2000	0.69
4000	0.71

Glossary p. 21

Glossary

All calculations are based on accredited lab measurements, official document available on Buzzi.Space

Definitions

α_w	Weighted absorption coefficient	(ISO 11654)
NRC	Noise reduction coefficient	(ASTM - C423)
SAA	Sound absorption average	(ASTM - C423)

Classification of sound absorbers NEN-EN-ISO 11654

A	0.90 0.95 1.0
B	0.80 0.85
C	0.60 0.65 0.70 0.75
D	0.03 0.55
E	0.15 0.25