



BuzziBlox

Product Specification Sheet

This document contains technical
information about the BuzziBlox



www.buzzi.space

BuzziBlox is a group of acoustic panels with different depths, developed to tune a room in the speech spectrum range and especially in the low and mid- frequencies.

By using alternating depths, the absorption of the different wavelengths into the thick layers of foam will be improved and make sure that the waves don't reflect into the room again. This diffusion effect will give the room a more pleasant sound experience. When placed against a wall, the Blox has more the appearance of a piece of art while fully maintaining its initial purpose: to control and monitor the sound in any given room, from a recording studio to an office or a public space.

Design by BuzziSpace Studio

General

-  BuzziBlox Square | Rectangular | Hexa
Wall mounted or ceiling pendant
-  Frame: Poplar Multiplex
Filling: Acoustic material made of 80% recycled cotton fibres
Cover: Fabric, Trevira CS, Reflect, Revive 1, Clara 2, Remix 3, Hero 2, Tonus 4, Arda, Memory 2
-  If installing on suspended ceiling, verify load capacity prior to installation.

Acoustics



Absorption



Low tone



Mid tones



High tones

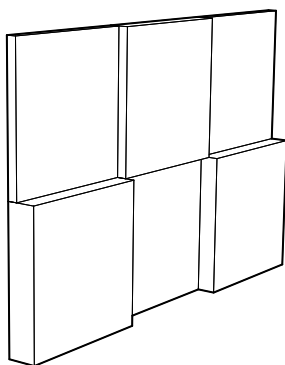
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Configurations

BuzziBlox Square

Example composition (can be bought per piece)



Frame: Poplar Multiplex

Filling: Acoustic material made of 80% recycled cotton fibres

Cover: Fabric, Trevira CS, Reflect, Revive 1, Clara 2, Remix 3, Hero 2, Tonus 4, Arda, Memory 2



SQ-4: W 59,5 cm H 59,5 cm D 4 cm
W 23.43" H 23.43" D 1.57"

SQ-8: W 59,5 cm H 59,5 cm D 8 cm
W 23.43" H 23.43" D 3.15"

SQ-12: W 59,5 cm H 59,5 cm D 12 cm
W 23.43" H 23.43" D 4.72"



SQ-4: 1,6 kg | 3.53 lbs

SQ-8: 2,7 kg | 5.95 lbs

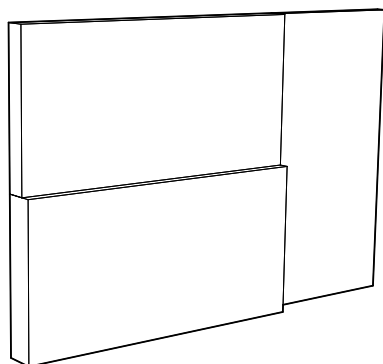
SQ-12: 3,8 kg | 8.36 lbs



Fixing system ceiling pendant (optional)

BuzziBlox Rectangular

Example composition (can be bought per piece)



Frame: Poplar Multiplex

Filling: Acoustic material made of 80% recycled cotton fibres

Cover: Fabric, Trevira CS, Reflect, Revive 1, Clara 2, Remix 3, Hero 2, Tonus 4, Arda, Memory 2



R-4: W 119 cm H 59,5 cm D 4 cm
W 46.85" H 23.43" D 1.57"

R-8: W 119 cm H 59,5 cm D 8 cm
W 46.85" H 23.43" D 3.15"

R-12: W 119 cm H 59,5 cm D 12 cm
W 46.85" H 23.43" D 4.72"

RXL-8: W 200 cm H 100 cm D 8 cm
W 78.74" H 39.37" D 3.15"

RXL-12: W 200 cm H 100 cm D 12 cm
W 78.74" H 39.37" D 4.72"



R-4: 3 kg | 6.38 lbs

R-8: 4,5 kg | 9.90 lbs

R-12: 6,5 kg | 14.33 lbs

RXL-8: 13,5 kg | 29.8 lbs

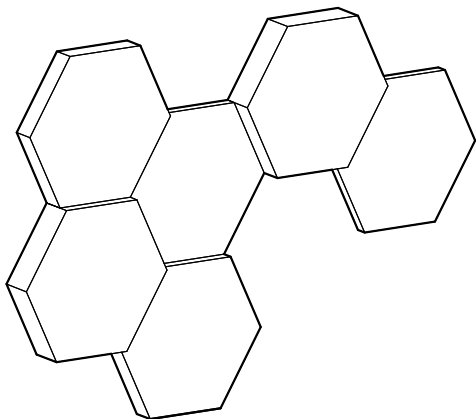
RXL-12: 15,5 kg | 34.2 lbs



Fixing system ceiling pendant (optional, not for RXL).

BuzziBlox Hexa

Example composition (can be bought per piece)



Frame: Poplar Multiplex

Filling: Acoustic material made of 80% recycled cotton fibres

Cover: Fabric, Trevira CS, Reflect, Revive 1, Clara 2, Remix 3, Hero 2, Tonus 4, Arda, Memory 2



Hexa-4: W 60 cm H 69,3 cm D 4 cm

W 23.62" H 27.28" D 1.57"



Hexa-8: W 60 cm H 69,3 cm D 8 cm

W 23.62" H 27.28" D 3.15"

Hexa-12: W 60 cm H 69,3 cm D 12 cm

W 23.62" H 27.28" D 4.72"

Hexa-4: 1,5 kg | 3.31 lbs



Hexa-8: 2,3 kg | 5.07 lbs

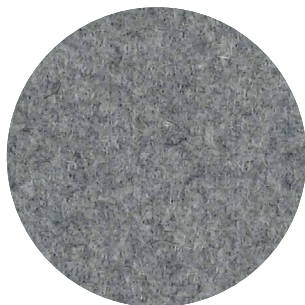
Hexa-12: 3,2 kg | 7.05 lbs



Fixing system ceiling pendant (optional)

Fabrics

Fabric (45 colors)



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

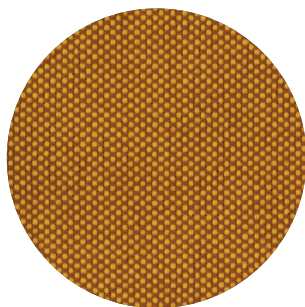
Fastness to light EU 4 | USA 4

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

Fastness to crocking USA: Wet 5 | Dry 5



Trevira CS (47 colors)



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)

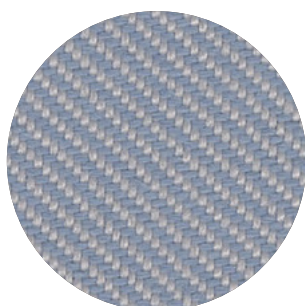
Fastness to light EU: 6 | USA 5

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

Fastness to crocking USA: Wet 5 | Dry 5



Reflect (34 colors)



Category A

Weight 430 g/m² | 13.78 oz/yd²

Composition 100% Post-consumer recycled polyester

Abrasion resistance 100.000 Martindale

Flammability AS/NZS 3837 class 1 | ASTM E84 Class A Unadhered

ASTM E84 Class B Adhered | BS 5852 crib 5 with treatment

BS 5852 part 1 with treatment | EN 1021-1/2 | US Cal. Bull. 117-2013

Fastness to light Note 5-7, ISO 105-B02

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

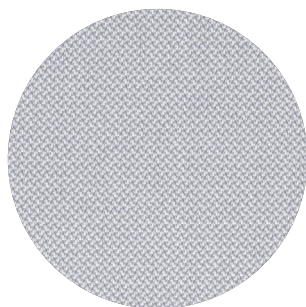
Pilling Note 4, EN ISO 12945



kvadrat

Revive 1 (25 colors)

kvadrat



Category A

Composition 100% recycled polyester FR

Weight 430 g/lin.m

Abrasion resistance 60.000 Martindale rubs, EN ISO 12947

Flammability EN 1021-1/2 | DIN 4102 B1 | Önorm B1/Q1

UNI 9175 1IM | US Cal. Tech. Bull. 117

IMO A.652 (16)

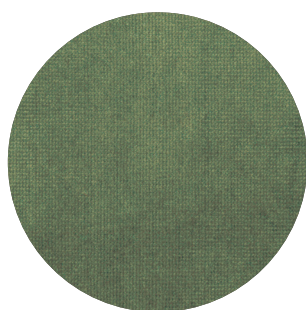
Fastness to light Note 5-7, ISO 105-B02

Fastness to rubbing (ISO) dry 5, wet 4-5

Pilling Note 4-5, EN ISO 12945



Velvet (12 colors)



Category B

Composition 100% PES

Weight 375 g/m² | 11.06 oz/yd²

Abrasion resistance > 100.000 Martindale

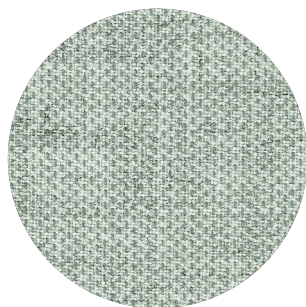
Fastness to light EU: 4-5

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

Pilling EU: 4-5

Clara 2 (24 colors)

kvadrat



Category B

Composition 92% new wool, 8% nylon

Weight 400 g/lin.m

Abrasion resistance 80.000 Martindale rubs, EN ISO 12947

Flammability EN 1021-1/2 | BS 5852, ignition source 2-3 | DIN 4102 B2

NF D 60 013 | UNI 9175 1IM | US Cal. Tech. Bull. 117, Sec. E

NFPA 260 | IMO A.652(16)

Fastness to light Note 5-7, ISO 105-B02

Fastness to rubbing (ISO) dry 4-5, wet 4

Pilling Note 4, EN ISO 12945



Remix 3 (73 colors)

kvadrat



Category B

Composition 90% new wool, 10% nylon

Weight 415 g/lin.m

Abrasion resistance 100.000 Martindale rubs, EN ISO 12947

Flammability EN 1021-1/2 | BS 5852 part 1

Önorm B1/Q1 | NF D 60 013 | UNI 9175, 1IM

AS/NZS 1530.3 | Cal. Tech. Bull. 117-2013

NFPA 260 | IMO FTP Code 2010:Part 8

Fastness to light Note 5-7, ISO 105-B02

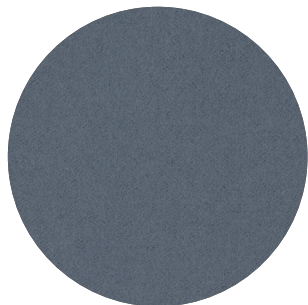
Fastness to rubbing (ISO) dry 4-5, wet 4

Pilling Note 4, EN ISO 12945



Hero 2 (33 colors)

kvadrat



Category C

Composition 97% new wool, 3% nylon

Weight 580 g/lin.m

Abrasion resistance 45.000 Martindale rubs, EN ISO 12947

Flammability EN 1021-1/2 | DIN 4102 B2 | NF D 60 013
UNI 9175 1IM | US Cal. Bull. 117-2013 | NFPA 260
IMO A.652 (16)

Fastness to light Note 5-6, ISO 105-B02

Fastness to rubbing (ISO) dry 4-5, wet 4-5

Pilling Note 3-4, EN ISO 12945



Tonus 4 (47 colors)

kvadrat



Category D

Composition 90% new wool, 10% Helanca

Weight 665 g/lin.m

Abrasion resistance 100.000 Martindale rubs, EN ISO 12947

Flammability EN 1021-1/2 | BS 5852 part 1 | DIN 4102 B2
Önorm B1/Q1 | NF D 60 013 | UNI 9175 1IM
US Cal. Bull. 117-2013 | NFPA 260 | IMO A.652 (16)

Fastness to light Note 5-7, ISO 105-B02

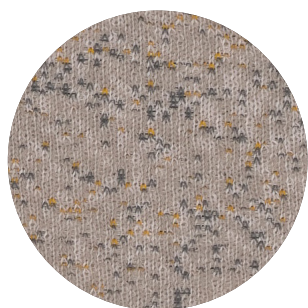
Fastness to rubbing (ISO) dry 3-5, wet 3-5

Pilling Note 3, EN ISO 12945



Arda (12 colors)

kvadrat



Category E

Composition 70% new wool 21% polyester 9% nylon

Weight 800 g/lin. m | 25.8 oz/ly

Abrasion resistance

Approx. 50.000 Martindale rubs, EN ISO 12947

Flammability ASTM E84 Class A Unadhered | AS/NZS 3837 class 2 | BS 5852 part 1
BS 5852 crib 5 | DIN 4102 B2 | EN 1021-1/2 | IMO FTP Code 2010 Part 8
UNI 9175 1IM | US Cal. Bull. 117-2013

Fastness to light Note 5-8, ISO 105-B02

Fastness to rubbing Dry note 3-5 ISO 105-X12

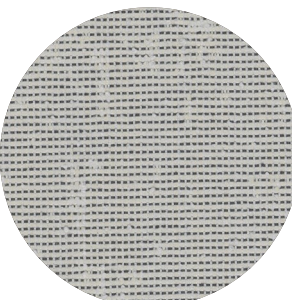
Wet note 3-5 ISO 105-X12

Pilling Note 4, EN ISO 12945



Memory 2 (20 colors)

kvadrat

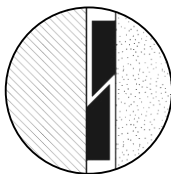
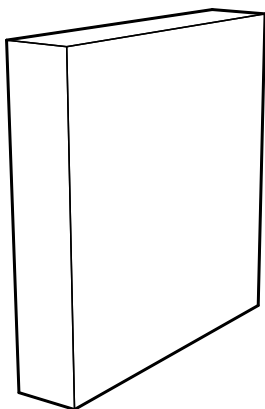


Category E
Composition 100% Trevira CS
Weight 700 g/lin.m
Abrasion resistance
35.000 rubs acc. to the Martindale method, EN ISO 12947
Flammability EN 1021-1/2 | DIN 4102 B1 | Önorm B1/Q1
NF D 60 013 | NF P 92 507 M1 | UNI 9175 1IM
UNI 9177 classe 1 | US Cal. Tech. Bull. 117
IMO A.652 (16)
Fastness to light Note 5-8, ISO 105-B02
Fastness to rubbing (ISO) dry 4-5, wet 4-5
Pilling Note 4, EN ISO 12945



Fixing Systems

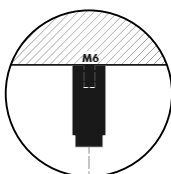
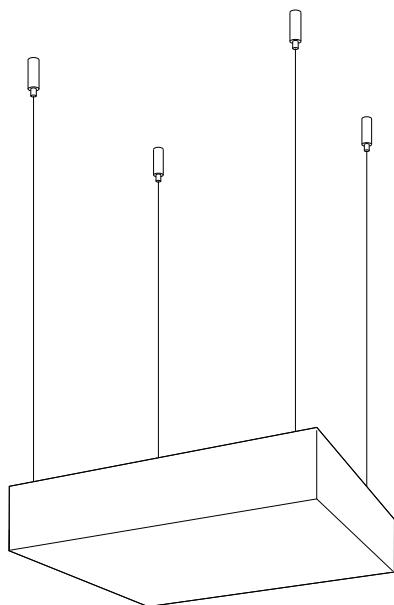
Fixing System Wall (included)



Square | Hexa
Rectangular

1pc
2pcs

Fixing System Ceiling Pendant (optional, not for RXL)



Fixing System Screw

Square | Rectangular:

4 cables per set, incl. fastner
(Stair bolts M6 included)

Hexa:

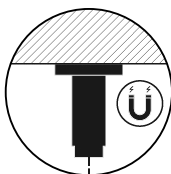
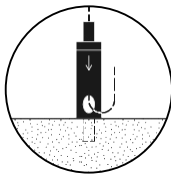
3 cables per set, incl. fastner
(Stair bolts M6 included)

Cables:

200 or 500 cm
78.74 or 196.85"

Color cable:

Black or Silver



Fixing System Magnet

Square | Rectangular:

4 cables + 4 magnets*

Hexa:

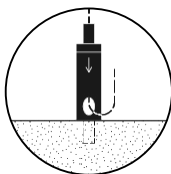
3 cables + 3 magnets*

Cables:

200 or 500 cm
78.74 or 196.85"

Color cable:

Black or Silver

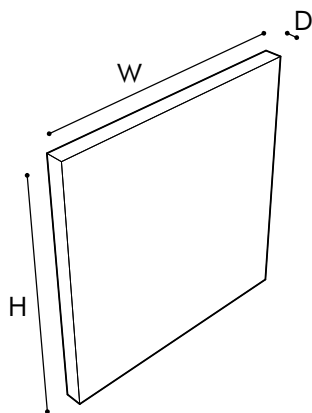


*1 magnet (Ø 3,2 cm H 0,8 cm | Ø 1.26" H 0.31") can take up to 10 kg | 22.05 lbs when hanging on a solid metal surface.

Dimensions BuzziBlox

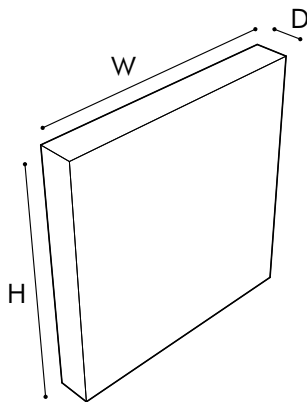
BuzziBlox Square

SQ-4



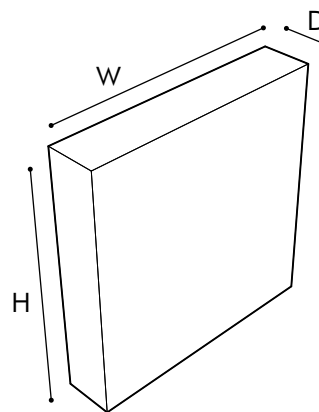
SQ-4 W 59,5 cm H 59,5 cm D 4 cm
W 23.43" H 23.43" D 1.57"

SQ-8



SQ-8 W 59,5 cm H 59,5 cm D 8 cm
W 23.43" H 23.43" D 3.15"

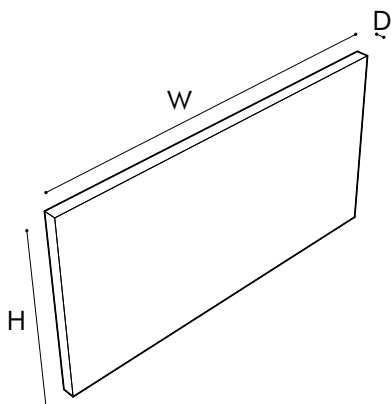
SQ-12



SQ-12 W 59,5 cm H 59,5 cm D 12 cm
W 23.43" H 23.43" D 4.72"

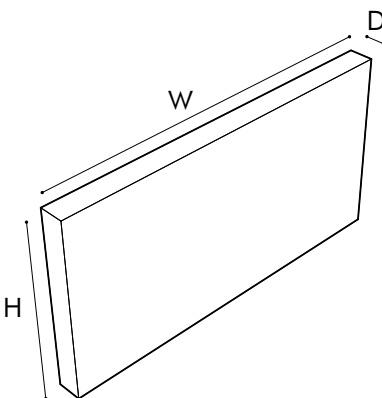
BuzziBlox Rectangular

R-4



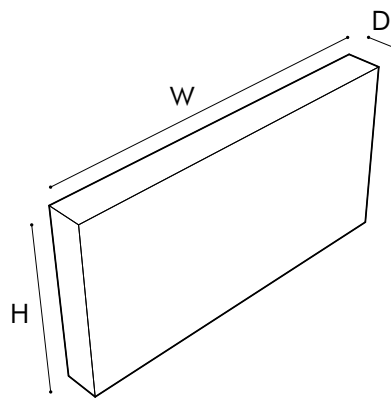
R-4 W 119 cm H 59,5 cm D 4 cm
W 46.85" H 23.43" D 1.57"

R-8



R-8 W 119 cm H 59,5 cm D 8 cm
W 46.85" H 23.43" D 3.15"
RXL-8 W 200 cm H 100 cm D 8cm
W 78.74" H 39.37" D 3.15"

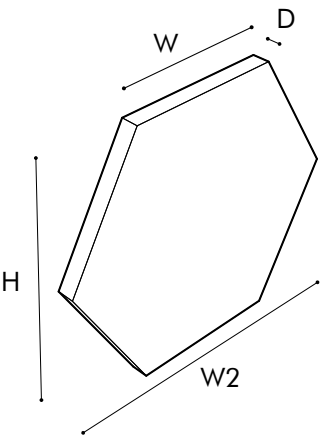
R-12



R-12 W 119 cm H 59,5 cm D 12 cm
W 46.85" H 23.43" D 4.72"
RXL-12 W 200 cm H 100 cm D 12 cm
W 78.74" H 39.37" D 4.72"

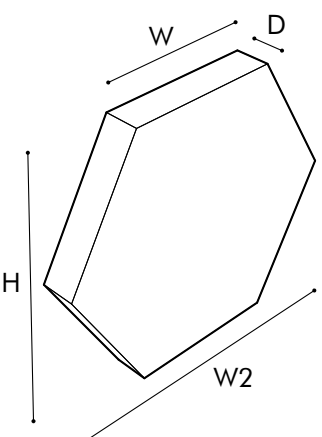
BuzziBlox Hexa

Hexa-4



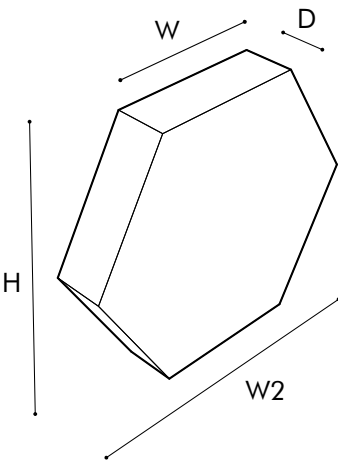
Hexa-4 W 69,3 cm W2 34,65 cm
H 60 cm D 4 cm
W 27.28" W2 13.64"
H 23.62" D 1.57"

Hexa-8



Hexa-8 W 69,3 cm W2 34,65 cm
H 60 cm D 8 cm
W 27.28" W2 13.64"
H 23.62" D 3.15"

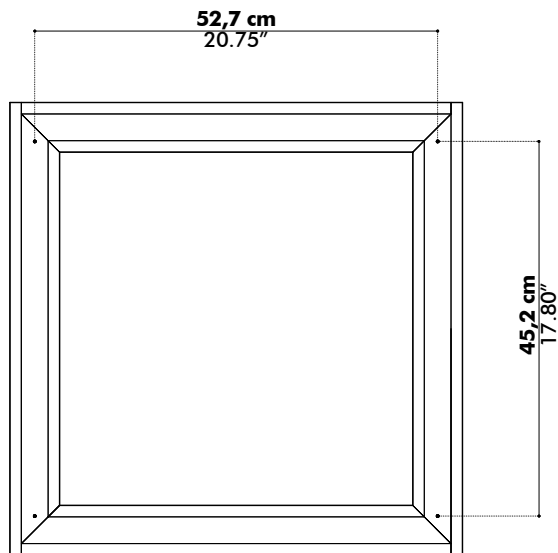
Hexa-12



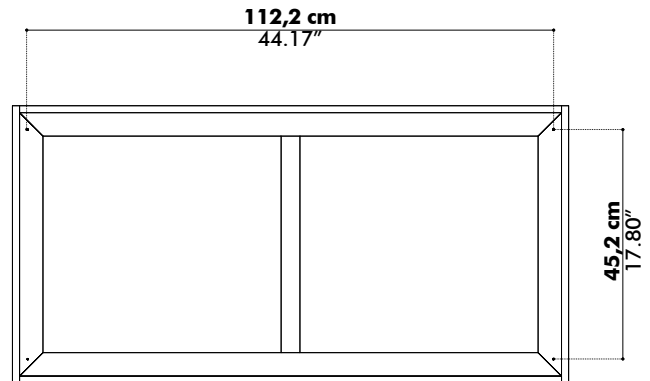
Hexa-12 W 69,3 cm W2 34,65 cm
H 60 cm D 12 cm
W 27.28" W2 13.64"
H 23.62" D 4.72"

Dimensions fixing points (only for ceiling pendant)

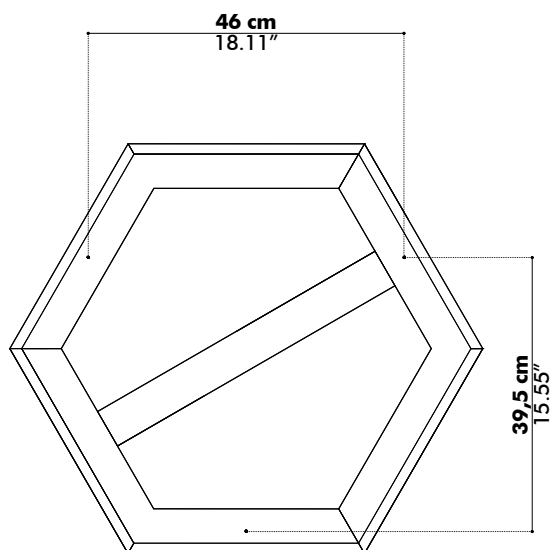
Square



Rectangular



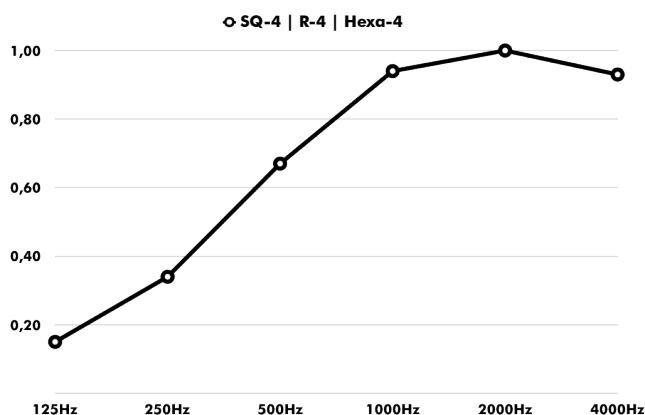
Hexa



Acoustics

BuzziBlox Wall Mounted SQ-4 | R-4 | Hexa-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

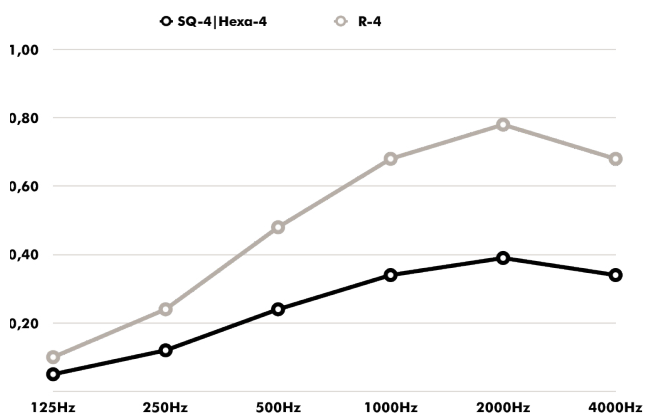
α_w
(ISO 11654) **0.65**

NRC
(ASTM - C423) **0.75**

SAA
(ASTM-C423) **0.76**

Class
(ISO 11654) **C**

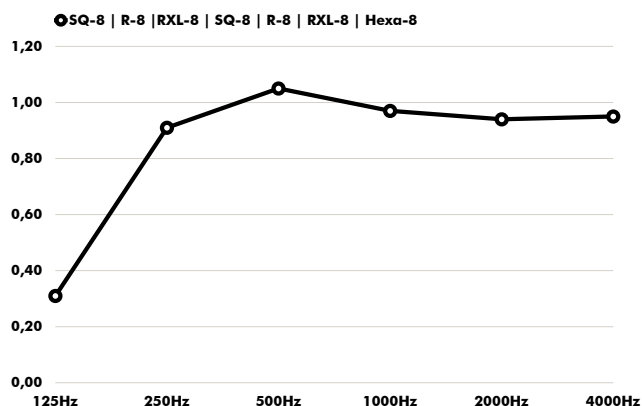
Equivalent sound absorption area in m² per object



Hz	SQ-4 Hexa-4 Aeq/m ²	R-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

BuzziBlox Wall Mounted SQ-8 | R-8 | RXL-8 | Hexa-8

Absorption coefficient



Hz	α^s
125	0.31
250	0.91
500	1,05
1000	0,97
2000	0,94
4000	0,95

Absorption values

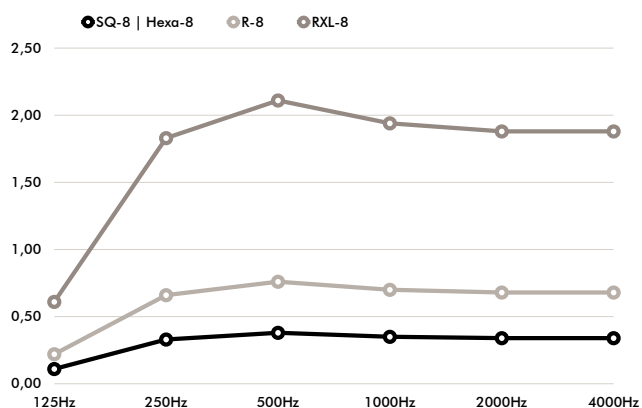
α_w
(ISO 11654) **1.00**

NRC
(ASTM - C423) **1.00**

SAA
(ASTM-C423) **0.97**

Class
(ISO 11654) **A**

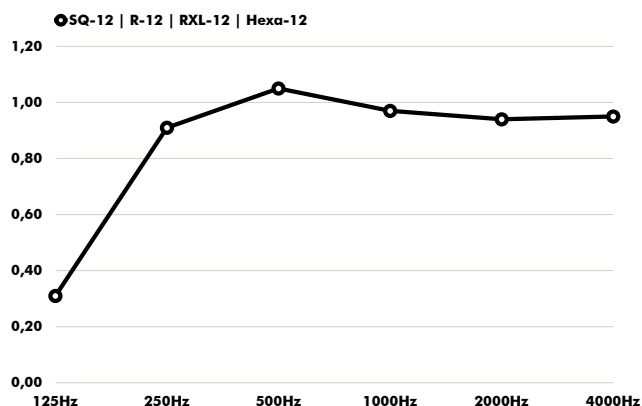
Equivalent sound absorption area in m² per object



Hz	SQ-8 Hexa-8 Aeq/m²	R-8 Aeq/m²	RXL-8 Aeq/m²
125	0.11	0.22	0.61
250	0.33	0.66	1.83
500	0.38	0.76	2.11
1000	0.35	0.70	1.94
2000	0.34	0.68	1.88
4000	0.34	0.68	1.88

BuzziBlox Wall mounted SQ-12 | R-12 | RXL-12 | Hexa-12

Absorption coefficient



Hz	α^s
125	0.31
250	0.91
500	1.05
1000	0.97
2000	0.94
4000	0.95

Absorption values

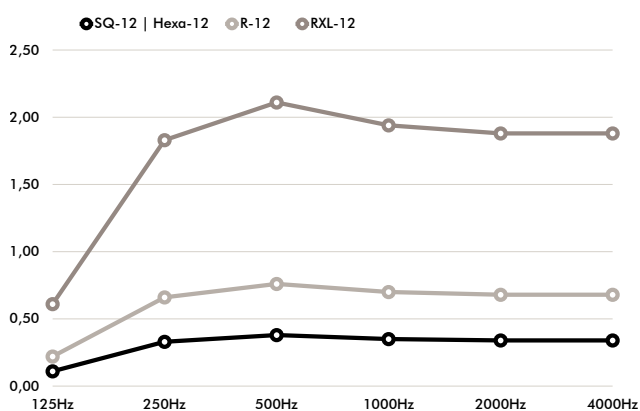
α_w
(ISO 11654) **1.00**

NRC
(ASTM - C423) **1.00**

SAA
(ASTM-C423) **0.97**

Class
(ISO 11654) **A**

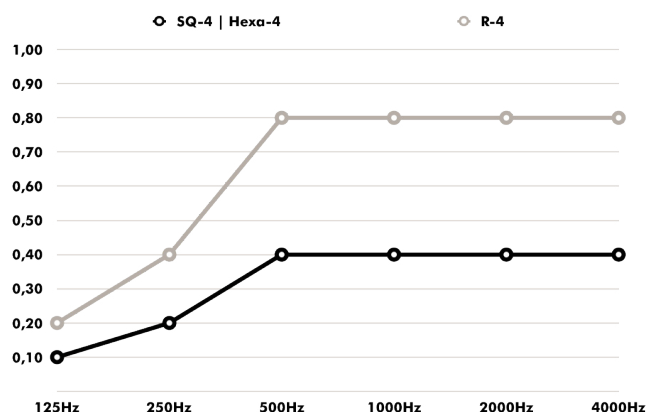
Equivalent sound absorption area in m² per object



Hz	SQ-12 Hexa-12 Aeq/m²	R-12 Aeq/m²	RXL-12 Aeq/m²
125	0.11	0.22	0.61
250	0.33	0.66	1.83
500	0.38	0.76	2.11
1000	0.35	0.70	1.94
2000	0.34	0.68	1.88
4000	0.34	0.68	1.88

BuzziBlox Ceiling Mounted SQ-4 | R-4 | Hexa-4

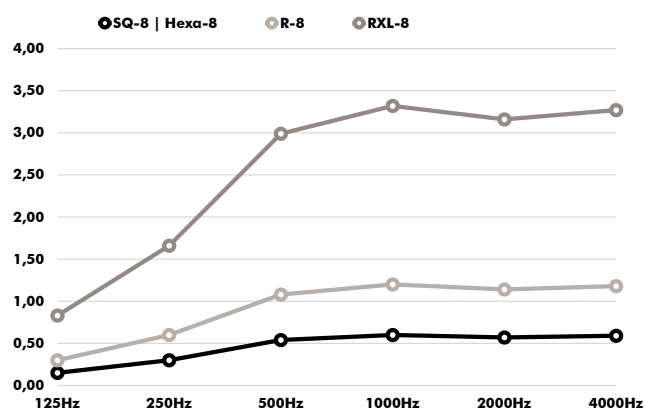
Equivalent sound absorption area in m² per object



Hz	SQ-4 Hexa-4 Aeq/m²	R-4 Aeq/m²
125	0.10	0.20
250	0.20	0.40
500	0.40	0.80
1000	0.40	0.80
2000	0.40	0.80
4000	0.40	0.80

BuzziBlox Ceiling Mounted SQ-8 | R-8 | RXL-8 | Hexa-8

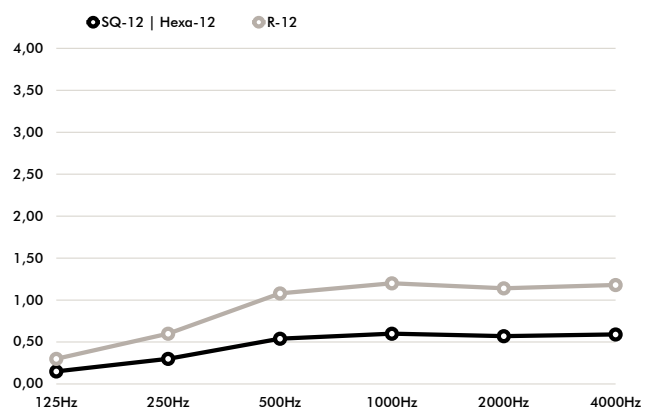
Equivalent sound absorption area in m² per object



Hz	SQ-8 Hexa-8 Aeq/m²	R-8 Aeq/m²	RXL-8 Aeq/m²
125	0.15	0.30	0.83
250	0.30	0.60	1.66
500	0.54	1.08	2.99
1000	0.60	1.20	3.32
2000	0.57	1.14	3.16
4000	0.59	1.18	3.27

BuzziBlox Ceiling Mounted SQ-12 | R-12 | Hexa-12

Equivalent sound absorption area in m² per object



Hz	SQ-12 Hexa-12 Aeq/m²	R-12 Aeq/m²
125	0.15	0.83
250	0.30	1.66
500	0.54	2.99
1000	0.60	3.32
2000	0.57	3.16
4000	0.59	3.27

Glossary

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

Definitions

α	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