

# About BuzziSpace

BuzziSpace creates furniture, acoustic solutions and acoustic lighting that accommodate the demands of the changing workplace.

BuzziSpace combines aesthetics and noise reduction, thanks to the sound-absorbing materials used in the designs, making day-to-day life better in every way. Creating happy and healthy workspaces that enhance the well-being of employees is key.

Established in 2007, being awarded numerous design prizes and working in partnership with well-known designers, BuzziSpace demonstrates that innovation is the key to worldwide success. With showrooms in Antwerp, Chicago, New York, London and Aachen and its own production sites in Bladel (NL) and High Point (US), the Antwerp-based company has firmly established itself as a global player.





# Local Manufacturing

At heart, we're all makers. We're born that way. Each one of us possesses the skills to create things that will amaze and surprise others, even ourselves. It happens daily at our local manufacturing facilities in Bladel (NL) and High Point (US) – fueled by a shared desire to make durable and high-quality furnishings, both facilities bring out that extra sparkle in every BuzziSpace product that sets the brand apart from the competition.



# Local Manufacturing in Bladel & High Point

Furniture-making is a tradition that goes back many years in both Bladel and High Point. While the story behind each facility is unique, a common thread unites them: the ability to create quality products of the highest standards. In fact, the rich legacy of manufacturing furniture in both areas is a major reason why BuzziSpace chose Bladel and High Point for its manufacturing locations.

Just across the border of Belgium in the Netherlands, you will find our manufacturing facility in Bladel. From the outside, it might look like any other production facility, but on the inside, it is anything but. Welcome to a world of imagination and innovation, a world where ideas are turned into reality - the world of BuzziSpace.

The facility in Bladel houses more than 80 employees across several departments, with more than 100 years of combined experience in foam cutting, upholstery and stitching. A handful of its current workforce was brought on from the last company

to occupy the space, a manufacturer of caravan cushions, consequently bringing with them a strong level of expertise in upholstery and foam-work, which has been key to creating several BuzziSpace products.

Despite having an extensive skillset, employees do sometimes face challenges. The truth is, the process of making caravan cushions differs greatly from that of making a BuzziSpace product - the work is more rigorous and complex, and requires a much keener eye for detail.

For example, making a product like BuzziCube 3D involves a particularly complex lamination process. Craftsmanship is required to find the right balance between pressure, temperature and glue, to seamlessly fasten fabric to the 3D cut foam. Every time a new fabric is introduced, our production team has to reevaluate the formula from scratch, so the team is constantly innovating to meet new challenges.



Across the Atlantic, we also work hard to maintain our position as an industry front-runner. Establishing a second manufacturing facility in High Point, North Carolina, has been critical to our success.

Every day, 35 employees strive to make products of the highest quality at this location, which used to be an old cotton mill before it was transformed into a BuzziSpace manufacturing facility.

With a rich history of furniture-making and a skilled local labor force, High Point was the ideal location for us to establish production in America.

At BuzziSpace, craftsmanship is crucial to guarantee high-quality finished products. In several departments, much of the work is still done by hand, requiring special techniques to achieve the desired result. For instance, lacing and upholstery are some of the departments in which the work necessitates a steady hand and eye for detail. Here, the work is both an art and a skill.

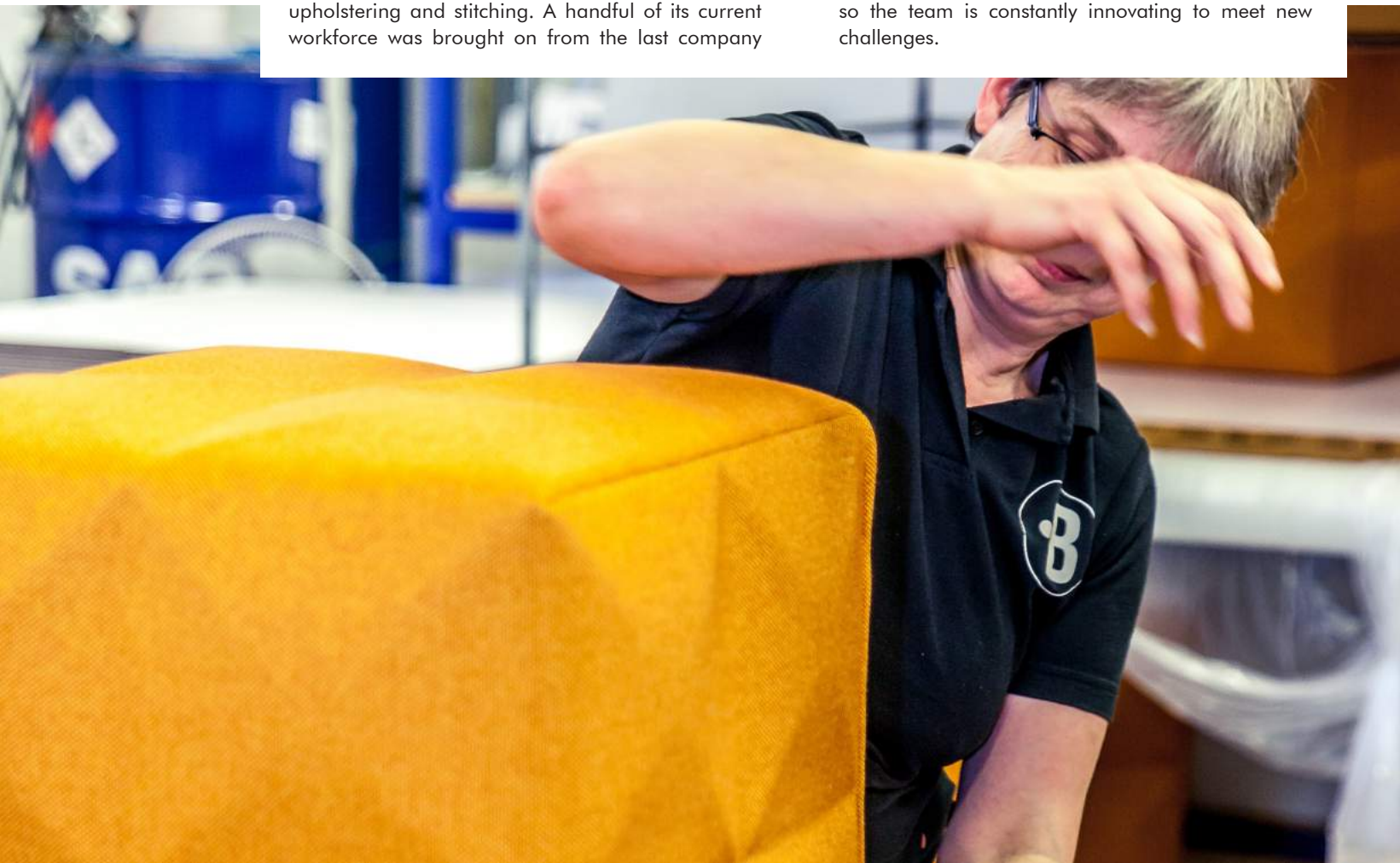
Every year, thousands of meters of fabrics and cubic meters of foam are used to produce BuzziSpace solutions. It's inevitable to avoid any waste materials. With sustainability being one of BuzziSpace's founding pillars, both facilities have implemented recycle management of core materials such as foam, cardboard and fabric.

In Bladel, for instance, foam recycling has proven to be a great success in resourcing old materials and eliminating excess waste.

In High Point, sustainable practices are primarily guided by LEED (Leadership in Energy and Environmental Design), a green building certification program.

Despite the distance between our two facilities and some differences, both locations share an important place in BuzziSpace's rich tapestry: a shared passion for making products that will solve the modern design challenges of today - and beyond.

“Lacing and upholstery are some of the departments in which the work necessitates a steady hand and eye for detail. Here, the work is both an art and a skill.”





# Silence is Not a Luxury

From the very beginning acoustics have been a driving force when developing or considering new products. A well-balanced room with a perfect acoustical level is a key factor to the performance and well-being of workers all over the world and therefore our logical main concern. For BuzziSpace, acoustics is more than just a generic word. It's our way of caring for workers and contributing to a pleasant working environment by balancing any given space with the recommended reverberation time and enhancing the speech intelligibility.





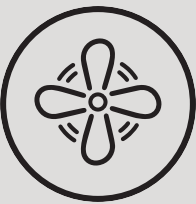
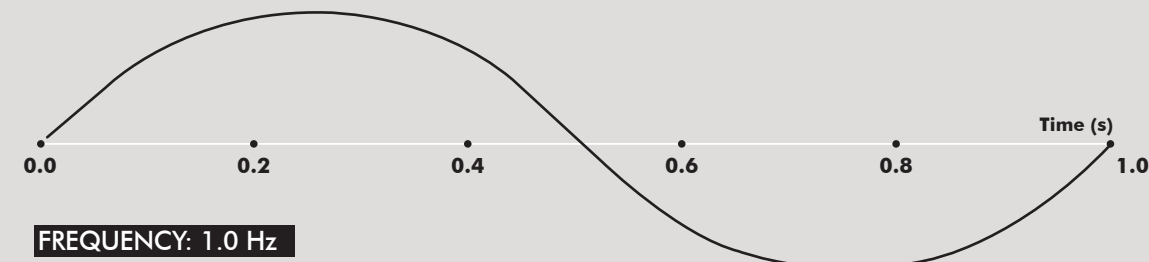
# WHAT IS SOUND

FREQUENCY  
DECIBEL  
REVERBERATION TIME

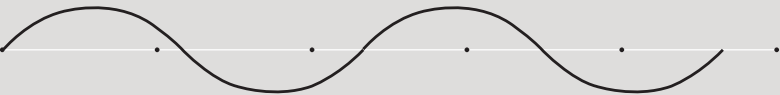
Sound consists of pressure waves that run through the air. It can be described as energy, created by vibrations, transmitted through air or any other medium. The inner ear transfers those vibrations into sound. These sound waves have 2 different characteristics: frequency and decibel. **Frequency** determines the tone of the sound, while **Decibel** determines the intensity of sound.

## Frequency

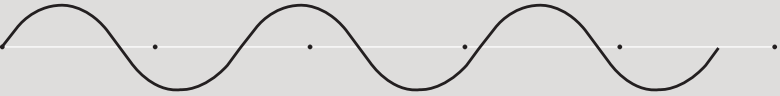
The wavelength determines the sound frequency. It is measured as the number of repetitive vibrations per cycle per second and is expressed in Hertz. The audible range of sound is between 20 to 20 000 Hz. The higher the frequency, the higher the tone.



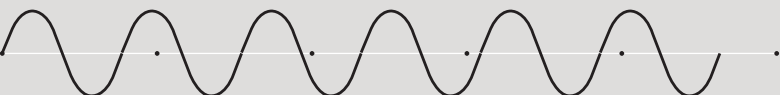
**Low tone**  
Long wave - Low frequency (50 - 250 Hz)  
E.G. heating systems, ventilation, elevators, copy machines, server rooms



**Mid tone**  
Mid length wave - Speech frequency (250 - 2500 Hz)  
E.G. speech, vowels, consonants



**High tone**  
Short wave - High frequency (2500 - 12000 Hz)  
E.G. ringtones, typing sounds, clicking sounds, kids



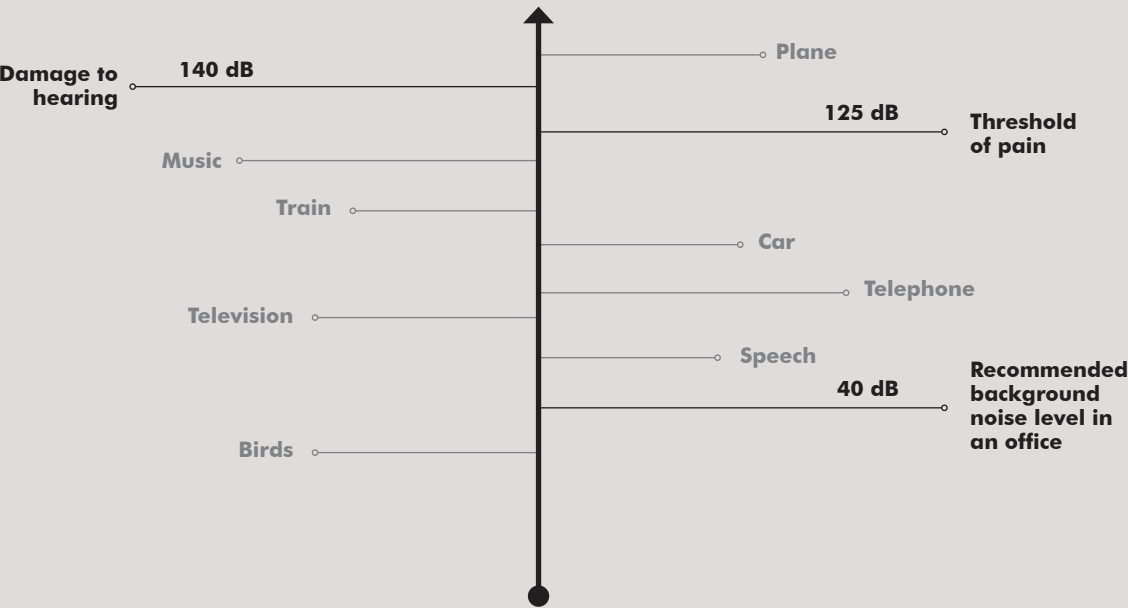
# WHAT IS SOUND

FREQUENCY  
DECIBEL  
REVERBERATION TIME

## Decibel

Decibel is a logarithmic unit to express the ratio of sound intensity (volume) and is important as an indicator of the background noise level. Humans can hear sounds between 0 and 140 decibels.

The value of decibels has no direct or indirect correlation with the sound frequency. For example, the ticking of a clock and the buzzing of a vacuum cleaner may have the same frequency but a different volume.



## Reverberation time

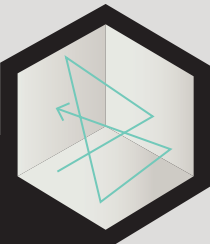
Reverberation time is the time needed for an original sound source to decay 60 dB and is expressed in seconds. In order to generate excellent speech intelligibility and clarity, the reverberation time should be adjusted and balanced by the means of absorptive material in function of the specific acoustical issues in a given space. The recommended reverberation time will always have to be adapted to the room volume and the type of activity.

### RECOMMENDED REVERBERATION TIME:

- > Office: 0.75s
- > Meeting room: 0.60s
- > Cafeteria: 1.00s
- > Gymnasium: 1.50s
- > Auditorium: 1.50s to 2.00s

## INFLUENCES ON THE Reverberation time

- VOLUME OF THE ROOM
- ROOM TEMPERATURE
- ABSORPTION COEFFICIENT OF MATERIALS, OBJECTS AND PEOPLE IN A ROOM



# BUZZISPACE ACOUSTICS

CONTINUOUS TESTING  
HOW TO READ ACOUSTIC REPORTS  
ACOUSTIC AMBASSADOR  
ACOUSTIC PRINCIPLES  
BUZZISPACE RT60

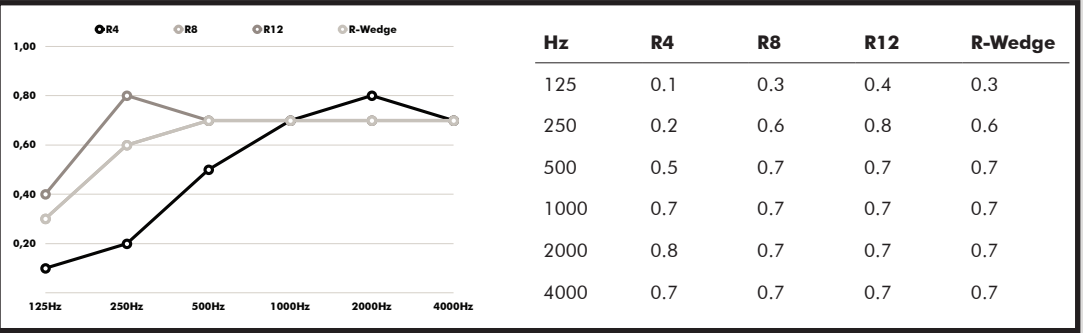
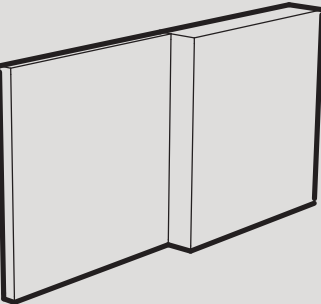
## Continuous testing

All acoustic products are tested to determine the absorption performance following the reverberation room method. All tests are done in an accredited test laboratory, Peutz bv.



## How to read acoustic reports

This chart shows the equivalent absorption area ( $A_{eq}$ ) of 4 different variations of our BuzziClipse with their metric Sabin value in all the relevant frequencies, where one square meter equals one metric Sabin.



### EQUIVALENT SOUND ABSORPTION AREA (AEQ) EXPRESSED IN SQUARE METER

- > A Sabin is the unit for the absorption of sound, equal to the absorption provided by 1 square meter (foot) of a completely absorbing product.
- > This is the only accepted and certified method, applied to freestanding products.
- > Depending on the position in the room, the product will react in a different way but will always generate the same amount of equivalent absorption area.

All acoustic reports can be found on our website: [www.buzzi.space](http://www.buzzi.space)

## Acoustic Ambassador

### DANIEL VERLOOVEN

He travels the globe sharing his expertise and knowledge through seminars, trainings and lectures for an audience of A&D and facility managers.

As an expert, he supports the product development team with advise and recommendations on how to get the best performance out

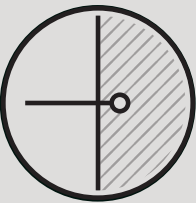
of new acoustical products. His role includes monitoring acoustic testing and calculating the performance rates of the BuzziSpace acoustical portfolio. Daniel also provides training, support and consultancy for the global BuzziSpace sales network and community.

He also writes and develops CEU and CPD programs helping professionals gain knowledge about the importance of acoustics.



## Acoustic Principles

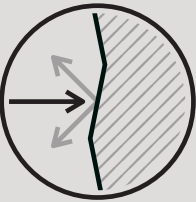
To create a better acoustical environment and reduce reverberation time in a room, BuzziSpace products are developed to perform on one or more of the following acoustic principles.



### Absorption

Sound Waves are absorbed by any 'acoustically soft' material they encounter.

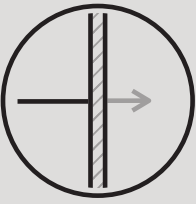
Sound is energy and in order to stop this energy from propagating, absorptive panels will be used to convert this energy into heat through friction. The absorption coefficient of a product will determine the level and quality of absorption. Absorption applies to fixed wall or ceiling elements.



### Diffusion

Sound energy is spread evenly in a given space.

Wavelengths which cannot be absorbed through acoustic treatment will scatter evenly back into the room, ensuring a better spread while maintaining a live, vivid sound. This property can be obtained by alternating different depths of absorptive material and 3D shapes.



### Attenuation

Reducing the sound transfer within a room.

In order to reduce the sound transfer between different spaces, vertical elements will be applied to cut down sound energy. Those can come in different shapes such as sound blocks, vertical ceiling panels, room dividers, desk screens... Attenuation or sound dampening has a positive impact on speech intelligibility and clarity.

## BuzziSpace RT60



### A MUSTHAVE FOR ACOUSTIC GEEKS

When decorating a space, we often think of only the most visible items: tables, chairs and curtains. But what we do not see—the acoustics of the room—is too often forgotten. The RT60 app, developed by BuzziSpace, measures the reverberation time in each room and suggests products to improve sound quality. With the simulation tool, you can see the acoustical impact of BuzziSpace products in your room.

MORE INFO ON HOW TO GET STARTED ON [BUZZI.SPACE/BLOG/RT60](http://BUZZI.SPACE/BLOG/RT60)



For detailed acoustic reports check the product page on our website: [www.buzzi.space](http://www.buzzi.space)





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# BuzziBack

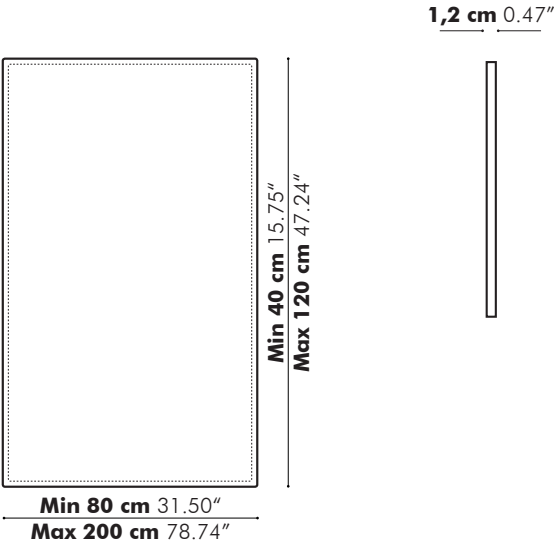
— by Sas Adriaenssens

### Wall panel with adhesive tape or magnetic tape on backside

Spice up the back of your cabinets or your walls with the BuzziBack. Fully customizable, this acoustical treatment is available in different colors and tailored sizes. The sound absorbing screen also acts as a pin board.



## Dimensions



## Finishes

2 layers of BuzziFelt stitched together  
Extra layer in fabric collections CAT A, B, C, D, E, F possible  
(check our application overview p. 282)

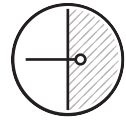


## Mounting

Adhesive tape or magnetic tape on backside  
Mounting on vertical surfaces only  
Not recommended for ceiling applications

## Acoustics

### Acoustic Principles



Absorption

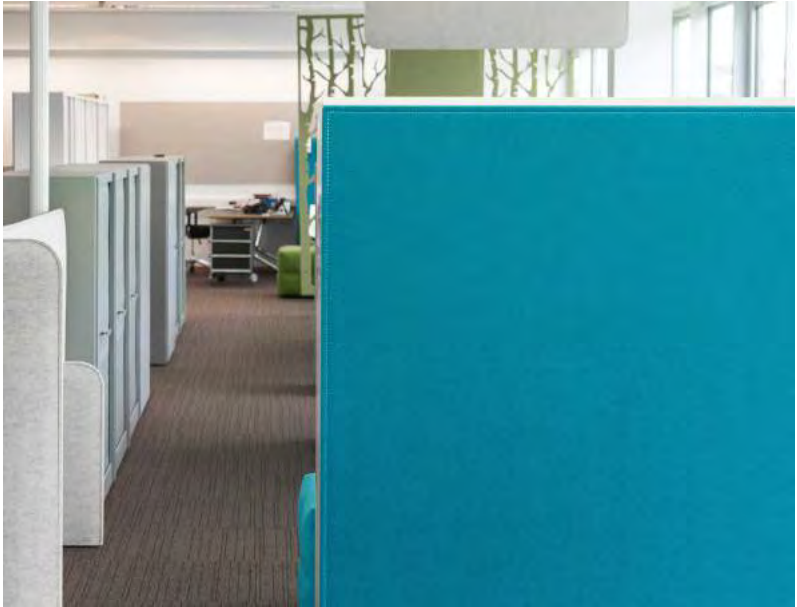
### Acoustic Performance



High Tones

## How to order

Size (W x H)  
BuzziFelt color  
Mounting option





# BuzziBlinds Classic

— By Alain Gilles

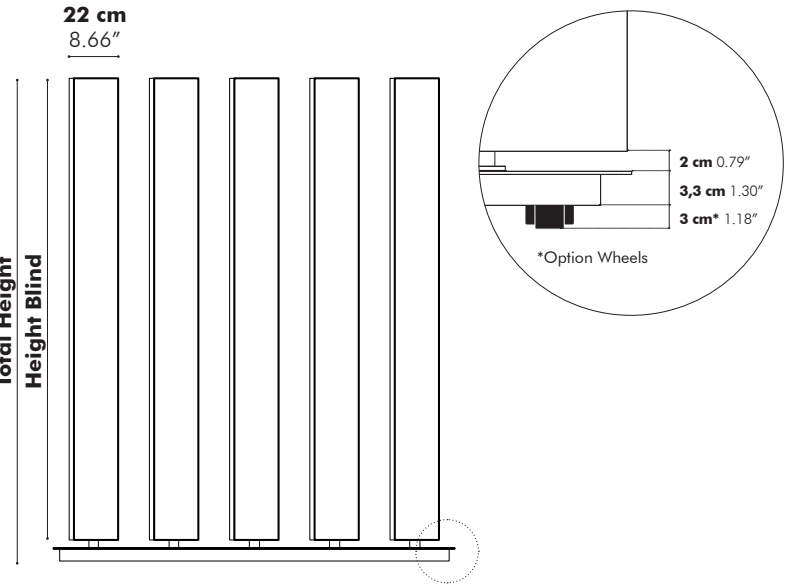
### Room divider

These rotating acoustical blinds take their inspiration from modernist architecture—more specifically from the exterior sunshades that can be found on modernist buildings designed by Oscar Niemeyer. The free-standing room divider is made up of a series of five rotating acoustic blinds. With a simple twist, the blinds can be opened or closed to varying degrees to create privacy or open-up a space. This gives individuals the opportunity to determine the level of privacy they may want or need at any given moment to concentrate on a specific task.



Volkswagen Financial IT offices - Berlin  
Photography: Andrea Janssen

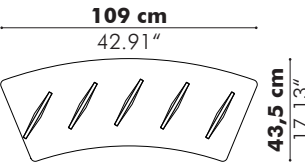
### Dimensions



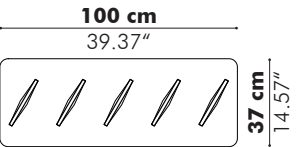
	Height Blind	Total Height
S	115 cm 45.28"	120,3 cm 47.36"
M	150 cm 59.06"	155,3 cm 61.14"
L	185 cm 72.83"	190,3 cm 74.92"

### Baseplates

Curved 45°



Regular



### Finishes

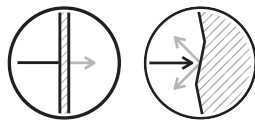
Cover in BuzziFelt  
Extra layer in fabric collections CAT A, B, C, D, E, F possible (check our application overview p. 282)  
Baseplate in black (RAL 9005) or white (RAL 9010)

### Options

Bicolor  
Wheels (height + 3 cm | 1.18")

### Acoustics

Acoustic Principles



Attenuation    Diffusion

Acoustic Performance



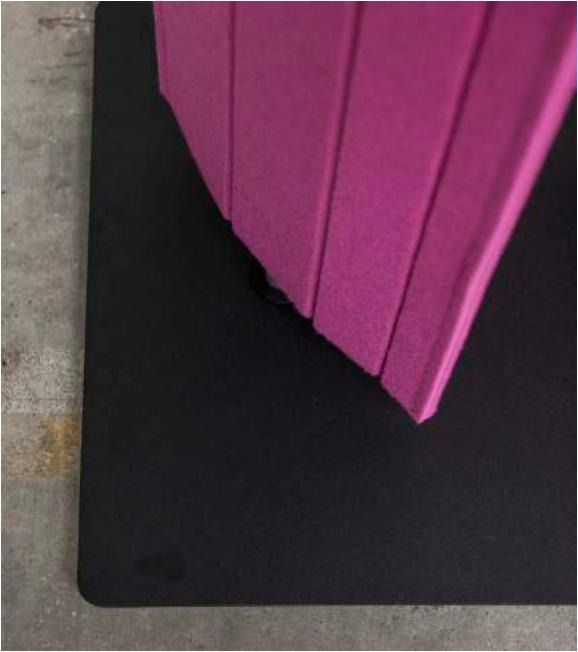
Mid Tones    High Tones

### How to order

Size  
Model & color Baseplate  
Fabric (CAT > collection > color)  
Option







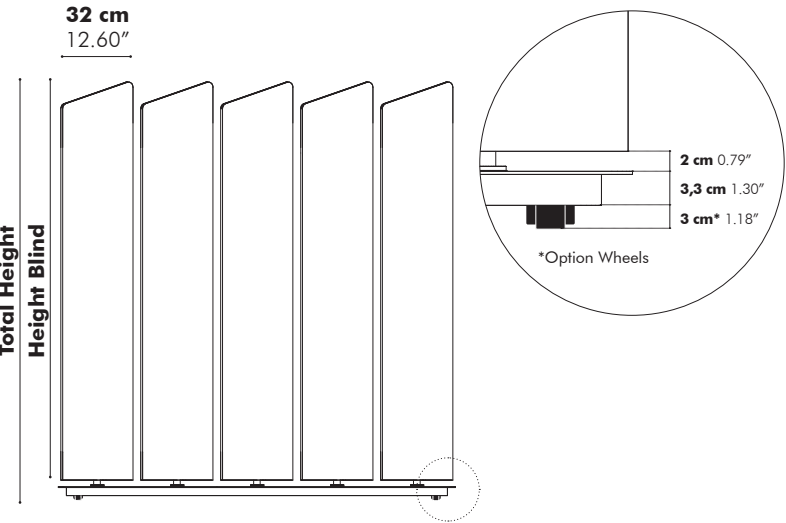
# BuzziBlinds

— By Alain Gilles

**Acoustical performance and privacy with a twist**  
New additions to the BuzziBlinds Classic. The new generation of BuzziBlinds offers 4 different shapes of the fins covered with plain BuzziFelt. The innovative v-cut technique strengthens the architectural and minimal look. The rhythm and tonalities created by the orientation of the v-cut add a dynamic of depth to any space.

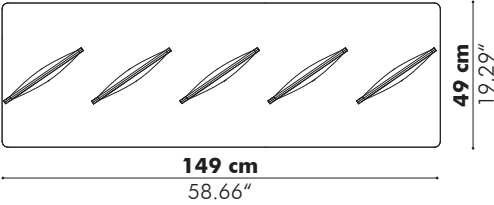


Dimensions



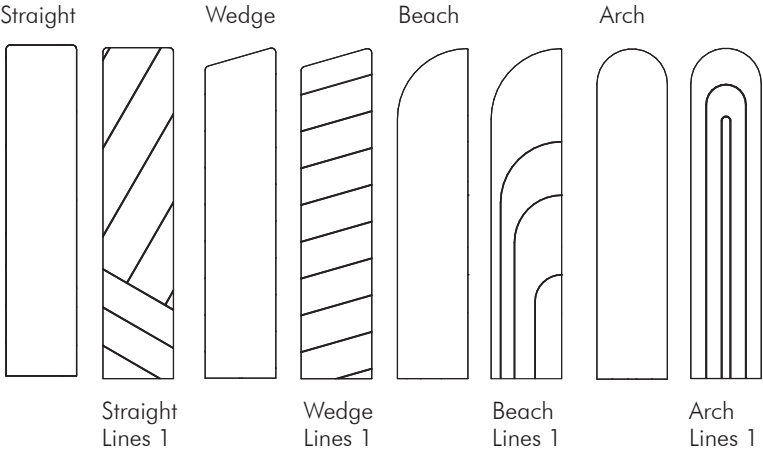
	Height Blind	Total Height
M	150 cm 59.06"	155,3 cm 61.14"
L	185 cm 72.83"	190,3 cm 74.92"

Baseplate



Models & Patterns

Blinds



Finishes

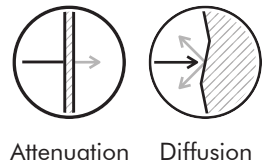
Cover in BuzziFelt  
Extra layer in fabric collections CAT A, B, C, D, E, F possible for Blinds without v-cut lines. (check our application overview p. 282)  
Baseplate in black (RAL 9005) or white (RAL 9010)

Options

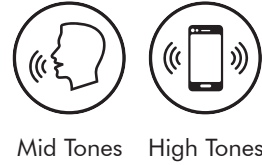
Bicolor  
Wheels

Acoustics

Acoustic Principles



Acoustic Performance



How to order

Model & Pattern  
Size  
Color baseplate  
Fabric (CAT > collection > color)  
Option







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# BuzziBlox

— By BuzziSpace Studio

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**Wall mounted or ceiling pendant acoustic panel**

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 rather has the appearance of a piece of art while fully maintaining its initial purpose: to control and monitor the sound in any given room.

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## Models

Square

59,5 cm

23.43"

59,5 cm

23.43"

Depth

Depth Square

SQ-4

4 cm

1.57"

SQ-8

8 cm

3.15"

SQ-12

12 cm

4.72"

Hexa

69,3 cm

27.28"

60 cm

23.62"

Depth

Depth Hexa

Hexa-4

4 cm

1.57"

Hexa-8

8 cm

3.15"

Hexa-12

12 cm

4.72"

### Square Wedge

59,5 cm

23.43"

59,5 cm

23.43"

4 cm

1.57"

12 cm

4.72"

### Hexa Wedge

69,3 cm

27.28"

60 cm

23.62"

12 cm

4.72"

4 cm

1.57"

### Rectangular

119 cm

46.85"

59,5 cm

23.43"

Depth

Depth Rectangular		
R-4	4 cm	1.57"
R-8	8 cm	3.15"
R-12	12 cm	4.72"

### Penta

63,1 cm

24.84"

60 cm

23.62"

Depth

Depth Penta		
Penta-4	4 cm	1.57"
Penta-8	8 cm	3.15"
Penta-12	12 cm	4.72"

### Rectangular WOLS

119 cm

46.85"

59,5 cm

23.43"

12 cm

4.72"

4 cm

1.57"

### Penta Wedge

63,1 cm

24.84"

60 cm

23.62"

4 cm

1.57"

12 cm

4.72"

### Rectangular WOSS

119 cm

46.85"

59,5 cm

23.43"

4 cm

1.57"

12 cm

4.72"

WOLS: Wedge on long side

WOSS: Wedge on short side

### Rectangular XL\*

200 cm

78.74"

100 cm

39.37"

Depth

\* Rectangular XL only wall mounted

## Finishes

Upholstery in fabric collections CAT A, B, C, D, E, F  
(check our application overview p. 282)

## Mounting

Fixing system: horizontal and vertical use possible

- Wall Mounted  
Fixing System Wall  
incl. wooden brackets (excl. screws for ceiling)
- Ceiling Suspended  
Fixing System Screw with 4 cables of 2 m - 78.74" or 5 m - 196.85" (black or alu)
- Ceiling Suspended  
Fixing System Magnet with 4 cables of 2 m - 78.74" or 5 m - 196.85" (black or alu)

## Acoustics

### Acoustic Principles

Absorption

Diffusion

### Acoustic Performance

Low Tones

Mid Tones

High Tones

## How to order

Model  
Fabric (CAT > collection > color)  
Mounting option





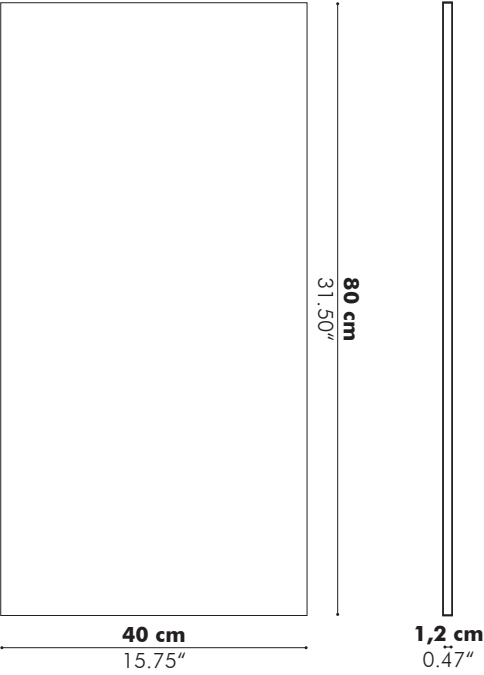


# BuzziBoard

— by Sas Adriaenssens

**Acoustic panel with power magnets in BuzziFelt**  
The BuzziBoard is a magnetic and sound absorbing memo board that can be attached to metal surfaces or to both sides of a glass wall with no need for hooks or screws. You can use it to pin things up, to absorb sound or to darken your windows; in any case this multipurpose object invites you to use your imagination in the workplace or at home.

## Dimensions



## Finishes

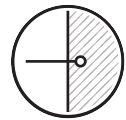
2 layers of BuzziFelt with 6 power magnets

## Mounting

- On a metal wall
- On a regular wall: use the metal strip
- 2 BuzziBoards with glass wall in between: gauge of glass max.10 mm - 0.39"
- Clear glass only, without osmose cleaning technique
- Not recommended for ceiling applications

## Acoustics

### Acoustic Principles



Absorption

### Acoustic Performance



High Tones

## How to order

BuzziFelt color