



reddot winner 2024

office
Acoustic



ESSENTIAL

designed by **NATURE**

OFFICE ACOUSTIC ESSENTIAL

The **ESSENTIAL** collection





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office
Acoustic

CONCESSION

CARPENTRY & CONTRACT FURNITURE





Introduction

We are delighted to show the effect of **over 20 years of work** in the office equipment sector.

The Office Acoustic ESSENTIAL collection is a combination of knowledge, experience, and collaboration of CONCESSION with many design offices and clients from all over Europe.

By **understanding trends** and putting comfort of use in the first place, we sought to create the ideal product - one that has the best acoustic performance and is a coherent element of any interior design. The result exceeded our expectations.

Unparalleled design possibilities combined with ideal ergonomics make employees more willing to work in a focused and relaxed way.

While designing the **ESSENTIAL collection**, we introduced many innovations which we have described in the brochure below.

We would be happy to tell you much more in person....



Acoustic booths - why are they needed in office space?

Open space office, common to all employees, has many advantages such as better communication, cooperation, creativity and team integration.

However, it also has drawbacks, especially when it comes to acoustic comfort and privacy. The noise generated by conversations, telephones, printers or air conditioning can be very disruptive and interfere with the concentration, productivity and well-being of employees.

Acoustic booths become more and more common in open space offices

In short, they are special cabins equipped with materials insulating against sounds from the environment, which ensure silence inside. Their main advantages are:

Improvement of work comfort

Acoustic booths provide silence and privacy for all who need to focus on work, are during telephone conversation, videoconference or meeting. Acoustic booths not only reduce background noise but also provide ergonomic working conditions.

Provide privacy

In the acoustic booth, you can talk freely without fear of being disturbed or overheard by others, it is especially important when discussing confidential topics.

Offers space for meetings

A large acoustic booth can accommodate several people, providing not only a comfortable working conditions but also a welcoming area/ room for training or brainstorming.

Increase work efficiency

Acoustic booths are conducive to better concentration, creativity and productivity of employees. They enable the implementation of tasks that require concentration and peace at the workplace.

Space saving

Acoustic booths can be adapted to the size and shape of the room, their location can be changed if necessary. Acoustic booths do not require any additional installations or interference with the structure of the building what definitely pays off financially.

Aesthetics of the interior

Acoustic booths are an attractive element of office arrangement, which adds modernity and style. Acoustic booths can be matched to the color and character of the interior due to a wide range of designs and materials.

Acoustic booths are an innovative solution for modern offices that value comfort, efficiency and work aesthetics.

Adjust the **ESSENTIAL** booth to your interior!

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OFFICE ACOUSTIC ESSENTIAL



ESSENTIAL

acoustic booth

Transform any office space into a private professional meeting or videoconference room with Office Acoustic booths. Daylight effect lighting and high-quality sound insulation promote a comfortable and inspiring work environment while silent rooms customization potential allows to seamlessly blend them with any interior style. Choose Office Acoustic mobile acoustic booths for unparalleled privacy, productivity and exceptional design.



Natural Daylight

Eye-level lighting gives the effect of natural sunshine which not only has a positive impact on booth users, but also boosts their creativity. The room's lighting design helps avoiding feeling of confinement and being sealed up.



A Breath of Fresh Air

Breathe easily during long meetings with our highly efficient ventilation design – one of the best available. The advanced automatic control program ensures your comfort and convenience as it immediately activates ventilation mode when you leave the room.



Blissful Silence

Experience optimal acoustic insulation. Enjoy comfort, productivity, and clear communication during video conferencing. Reduce feeling fatigued and distracted. Choose our high-quality solution for a satisfying experience.



Modular Construction

Specially designed modular variants ensure the potential of composing sets of booths. Have a freedom of space arrangement.



Personalization as a Standard

Discover limitless personalization potential with silent rooms. With a wide range of high-quality colors and finishing materials to choose from, you can easily match the character of any interior. Enhance your space with our customizable solutions and make it truly your own.

Sound Absorption Upholstered Panels

Improves acoustic conditions and reverberation reduction.

Natural Materials

Experience the beauty of raw materials with our 100% natural finishing elements.

Motion Sensor

Booths include a built-in motion sensor for energy efficiency. As you enter the booth, the sensor activates the overhead LED light and ventilation fans, ensuring a comfortable and refreshing experience.

Window DayLight Effect Lighting

Placed at eye level gives the effect of natural light which has a positive influence and safeguards users mindset and creativity.

Easy to repair surface**Color Frame**

The colored frame with its individual accents corresponds with the atmosphere of office space.

Efficient Ventilation System

Natural air circulation direction supported by an efficient fan system. This unique solution avoids drawing warm and stale air from below the ceiling. Cool and clean air from the lower parts of the workspace is sucked into the booth.





Movable Lamp - Bass Trap

Sound dispersion module to eliminate echo in small spaces.

Natural Light

Enjoy optimizing costs with efficient and energy saving, automatically activated lighting. Experience comfortable 4000 K LED light color temperature.

Conference System

Built-in monitor enables online meetings and conducting presentations.

Touchscreen Control Panel

Touchscreen control panel provides easy management of the upper and side lighting and ventilation system. Create comfortable environment using touchscreen sliders.

Wireless charger + Connect

Electrical outlets, USB-A, USB-C and wireless charger built-in into work top.

Sound Absorption Veneer Panel

Not only easy to maintain, but it also improves acoustic conditions and reverberation reduction.

Facility Flooring

Unification with the office space. Illuminated doorstep.



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OFFICE ACOUSTIC ESSENTIAL



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OFFICE ACOUSTIC ESSENTIAL



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OFFICE ACOUSTIC ESSENTIAL

Materials used:

Construction: wood, plywood, MDF with a unique blend of materials designed for booth isolation and sound absorption

Soundproof glass with highest acoustic parameters

External material: veneered board

Internal material: fabrics chosen by the client (felt, wool, alcantara, velour etc.) and veneered MDF board

Table: HPL laminated plywood

Floor: polyamide carpeting or any other chosen by the client

Illuminated doorstep

Glass back version available

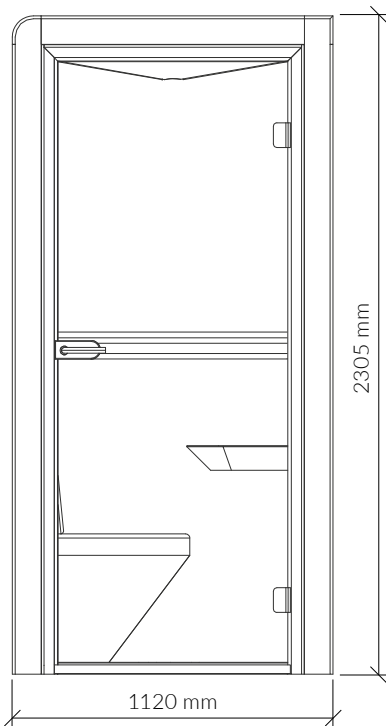
ESSENTIAL XS

Cut off the sounds from the environment, sit comfortably to be able to seamlessly make an uninterrupted phone call, video call or simply work in concentration.

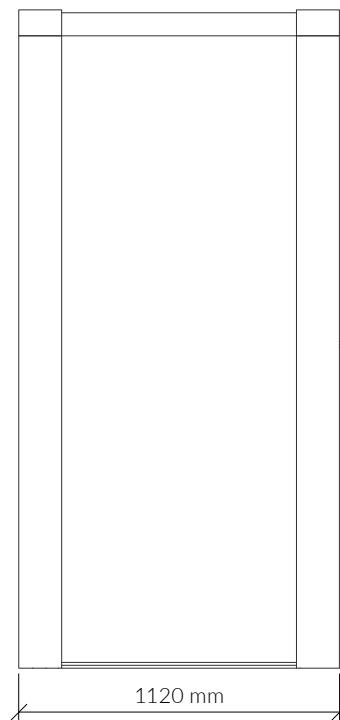
XS

Technical specification

front



side



Parameters:

External dimensions: 1120x1120x2305 mm (w,d,h)

Internal dimensions: 900x880x2040 mm (w,d,h)

Door: left or right, 830 mm w.

Weight: 435 kg (346,8 kg/m²)

Lighting:

Color temperature: 4000K

Acoustic parameters:

Speech level reduction: Class A
(declared level, according to ISO 23351 1:2020)

Wall Sound Insulation: $R_w=40$ dB

Reverberation time inside: 0,05 s

Quiet and efficient ventilation system

Power outlets:

USB-A: x1

USB-C: x1

230V electric socket: x1

Induction charger integrated into tabletop: x1

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S

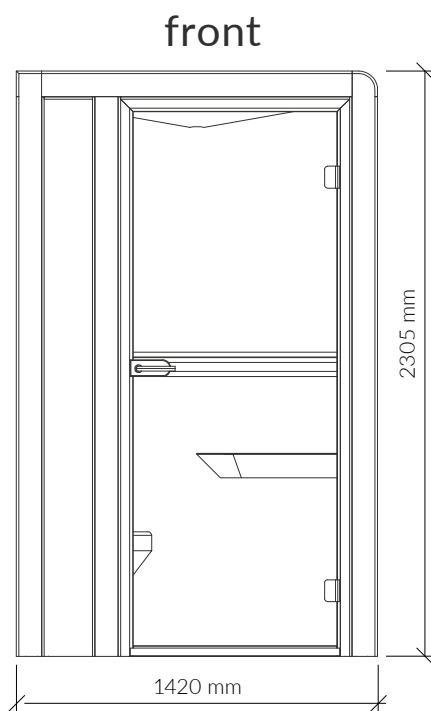
Technical specification

ESSENTIAL S

S booth is a right choice when extra space is needed. Reverberation and sound insulation will provide you with what you need - a cosy and aesthetic space for productive work.

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OFFICE ACOUSTIC ESSENTIAL



Parameters:

External dimensions: 1420x1120x2305 mm (w,d,h)

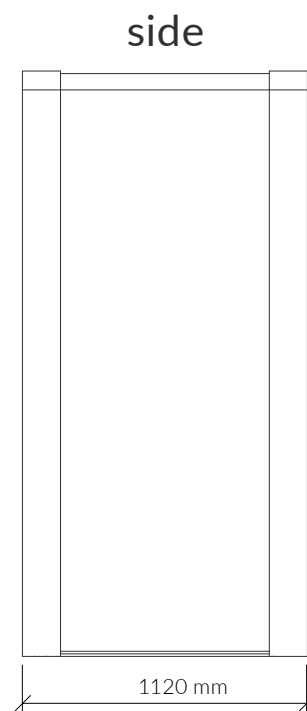
Internal dimensions: 1200x880x2040 mm (w,d,h)

Door: left or right, 830 mm w.

Weight: 518 kg (325,7 kg/m²)

Lighting:

Color temperature: 4000K



Acoustic parameters:

Speech level reduction: Class A
(declared level, according to ISO 23351 1:2020)

Wall Sound Insulation: $R_w=40$ dB

Reverberation time inside: 0,06 s

Quiet and efficient ventilation system

Power outlets:

USB-A: x1

USB-C: x1

230V electric socket: x1

Induction charger integrated into tabletop: x1



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OFFICE ACOUSTIC ESSENTIAL

Materials used:

Construction: wood, plywood, MDF with a unique blend of materials designed for booth isolation and sound absorption

Soundproof glass with highest acoustic parameters

External material: veneered board

Internal material: fabrics chosen by the client (felt, wool, alcantara, velour etc.) and veneered MDF board

Table: HPL laminated plywood

Floor: polyamide carpeting or any other chosen by the client

Illuminated doorstep

Glass back version available

**Materials used:**

Construction: wood, plywood, MDF with a unique blend of materials designed for booth isolation and sound absorption

Soundproof glass with highest acoustic parameters

External material: veneered board

Internal material: fabrics chosen by the client (felt, wool, alcantara, velour etc.) and veneered MDF board

Table: HPL laminated plywood

Floor: polyamide carpeting or any other chosen by the client

Illuminated doorstep

Glass back version available

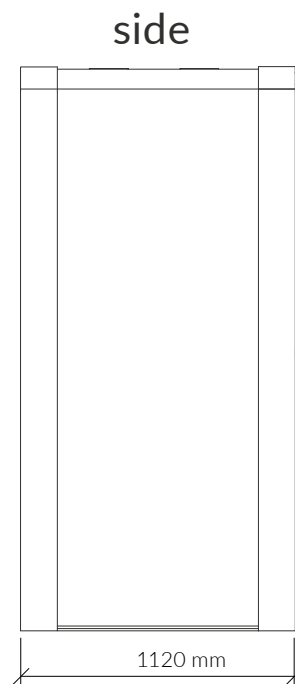
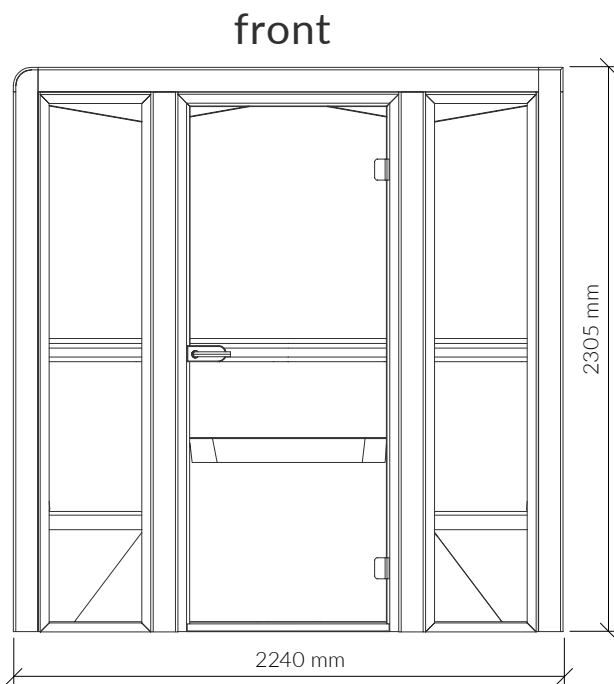
ESSENTIAL M

A successful face-to-face meeting, confidential conversation, or simply a co-workers' chit-chat can take place in the M booth.

The ergonomically designed interior will make time spent in it more pleasureable.

M

Technical specification



Parameters:

External dimensions: 2240x1120x2305 mm (w,d,h)

Internal dimensions: 2020x880x2040 mm (w,d,h)

Door: left or right, 830 mm w.

Weight: 748 kg (298,2 kg/m²)

Lighting:

Color temperature: 4000K

Acoustic parameters:

Speech level reduction: Class B
(declared level, according to ISO 23351 1:2020)

Wall Sound Insulation: $R_w=40$ dB

Reverberation time inside: 0,09 s

Quiet and efficient ventilation system

Power outlets:

USB-A: x1

USB-C: x1

230V electric socket: x2

Induction charger integrated into tabletop: x2

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ESSENTIAL L

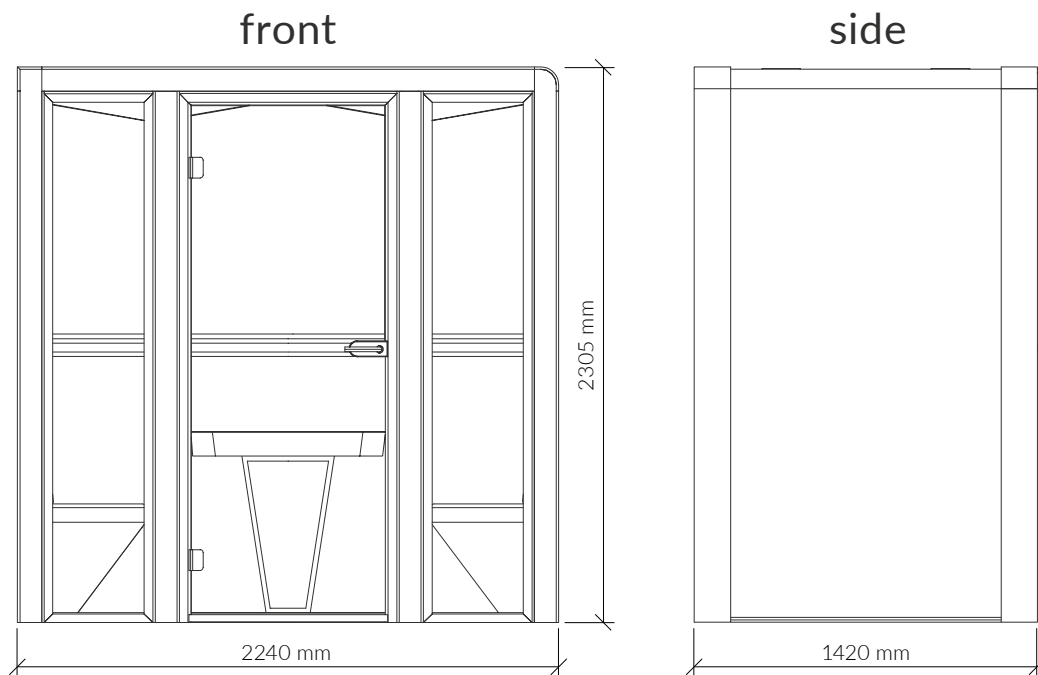
Can you imagine 4 people in one room having a group work or a meeting, separated from the hustle and bustle of the open-office? It is possible in our L booth; an appropriate ventilation system will not allow the atmosphere to become too hot.

L

Technical specification

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OFFICE ACOUSTIC ESSENTIAL



Parameters:

External dimensions: 2240x1420x2305 mm(w,d,h)

Internal dimensions: 2020x1180x2040 mm (w,d,h)

Door: left or right, 830 mm w.

Weight: 840 kg (264,1 kg/m²)

Lighting:

Color temperature: 4000K

Acoustic parameters:

Speech level reduction: Class B

(declared level, according to ISO 23351 1:2020)

Wall Sound Insulation: $R_w=40$ dB

Reverberation time inside: 0,12 s

Quiet and efficient ventilation system

Power outlets:

USB-A: x2

USB-C: x2

230V electric socket: x2

Induction charger integrated into tabletop: x2



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OFFICE ACOUSTIC ESSENTIAL

Materials used:

Construction: wood, plywood, MDF with a unique blend of materials designed for booth isolation and sound absorption

Soundproof glass with highest acoustic parameters

External material: veneered board

Internal material: fabrics chosen by the client (felt, wool, alcantara, velour etc.) and veneered MDF board

Table: HPL laminated plywood

Floor: polyamide carpeting or any other chosen by the client

Illuminated doorstep

Glass back version available

**Materials used:**

Construction: wood, plywood, MDF with a unique blend of materials designed for booth isolation and sound absorption

Soundproof glass with highest acoustic parameters

External material: veneered board

Internal material: fabrics chosen by the client (felt, wool, alcantara, velour etc.) and veneered MDF board

Table: HPL laminated plywood

Floor: polyamide carpeting or any other chosen by the client

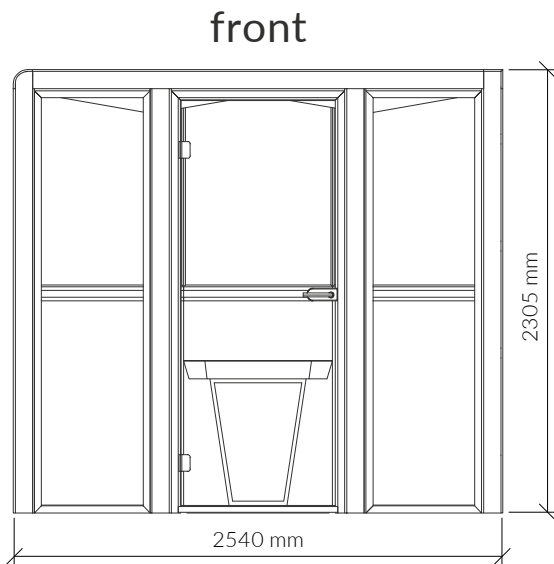
Illuminated doorstep

ESSENTIAL XL

Our mini conference room is perfect for team meetings, training or video conferences. Nature-inspired design will surely calm your mind and help you focus.

XL

Technical specification



Parameters:

External dimensions: 2540x2540x2305 mm (w,d,h)

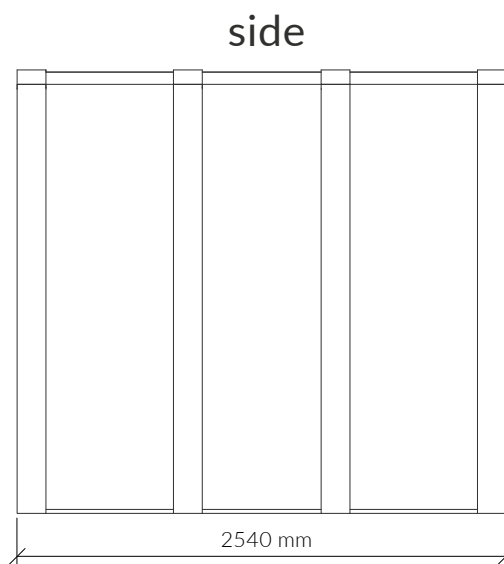
Internal dimensions: 2320x2300x2040 mm (w,d,h)

Door: left or right 830, mm w.

Weight: 1199 kg (185,9 kg/m²)

Lighting:

Color temperature: 4000K



Acoustic parameters:

Speech level reduction: Class B
(declared level, according to ISO 23351 1:2020)

Wall Sound Insulation: $R_w=40$ dB

Reverberation time inside: 0,17 s

Quiet and efficient ventilation system

Power outlets:

USB-A: x2

USB-C: x2

230V electric socket: x3

Induction charger integrated into tabletop: x2

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OFFICE ACOUSTIC ESSENTIAL

ESSENTIAL XXL

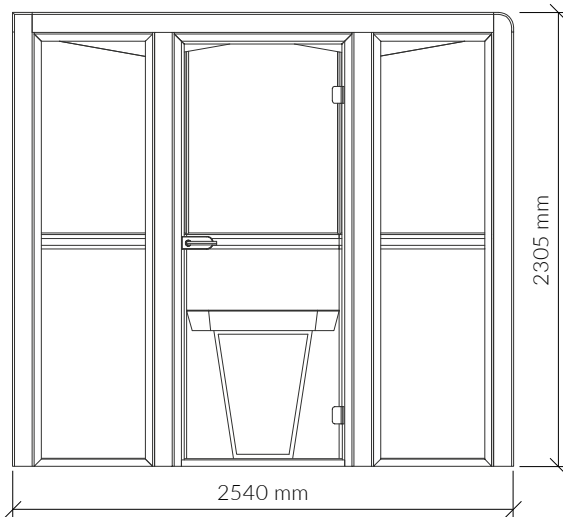
Create, plan, organize brainstorm in our XXL room. Acoustic comfort for each participant will be ensured by specially selected materials from which the booth is made. All this will certainly translate into creativity of the entire team.

XXL

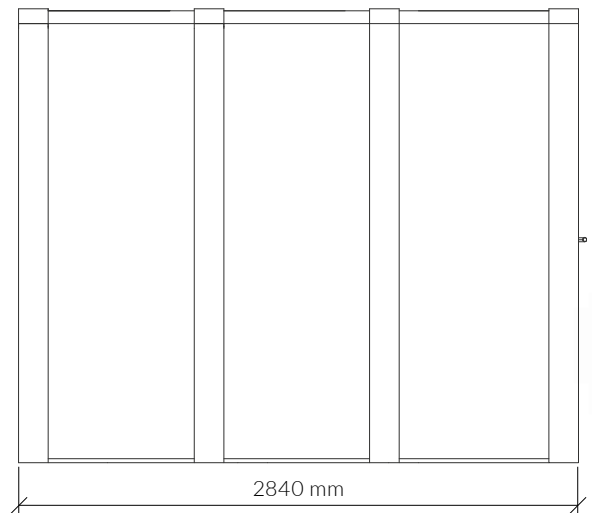
Technical specification

26

front



side



Parameters:

External dimensions: 2540x2840x2305 mm (w,d,h)

Internal dimensions: 2320x2600x2040 mm (w,d,h)

Door: left or right, 830 mm w.

Weight: 1303 kg (180,6 kg/m²)

Lighting:

Color temperature: 4000K

Acoustic parameters:

Speech level reduction: Class B
(declared level, according to ISO 23351 1:2020)

Wall Sound Insulation: $R_w=40$ dB

Reverberation time inside: 0,20 s

Quiet and efficient ventilation system

Power outlets:

USB-A: x2

USB-C: x2

230V electric socket: x3

Induction charger integrated into tabletop: x2



27

OFFICE ACOUSTIC ESSENTIAL

Materials used:

Construction: wood, plywood, MDF with a unique blend of materials designed for booth isolation and sound absorption

Soundproof glass with highest acoustic parameters

External material: veneered board

Internal material: fabrics chosen by the client (felt, wool, alcantara, velour etc.) and veneered MDF board

Table: HPL laminated plywood

Floor: polyamide carpeting or any other chosen by the client

Illuminated doorstep

**Materials used:**

Construction: wood, plywood, MDF with a unique blend of materials designed for booth isolation and sound absorption

Soundproof glass with highest acoustic parameters

External material: veneered board

Internal material: fabrics chosen by the client (felt, wool, alcantara, velour etc.) and veneered MDF board

Table: HPL laminated plywood

Floor: polyamide carpeting or any other chosen by the client

Illuminated doorstep

Lifted table as an option

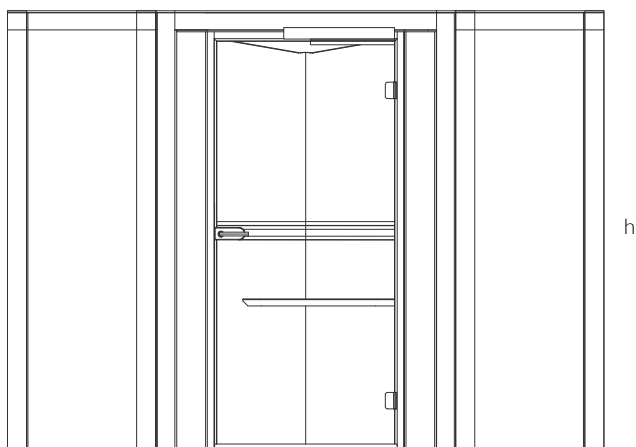
CORNER

Technical specification

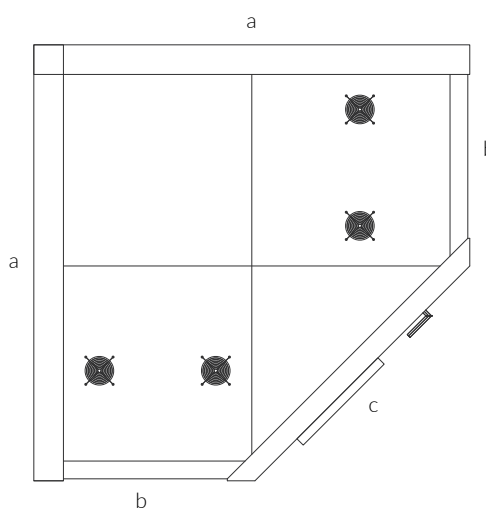
ESSENTIAL CORNER

To fill space in the corner of the office, bet on the ideal solution - the ESSENTIAL CORNER booth (especially in a set with XS, S or M). The huge amount of interior space dedicated to two people and the optional adjustable table will certainly have a positive impact on their comfort.

front



top



29

Parameters:

External dimensions: 2208x1120x1539x2305 mm (a,b,c,h)

Internal dimensions: 1978x941x1467x2040 mm (a,b,c,h)

Door: left or right, 930 mm w.

Weight: 881 kg (205,7 kg/m²)

Lighting:

Color temperature: 4000K

Acoustic parameters:

Speech level reduction: Class B
(declared level, according to ISO 23351 1:2020)

Wall Sound Insulation: $R_w=40$ dB

Reverberation time inside: 0,16 s

Quiet and efficient ventilation system

Power outlets:

USB-A: x2

USB-C: x2

230V electric socket: x2

Induction charger integrated into tabletop: x2

30

OFFICE ACOUSTIC ESSENTIAL



Materials used:

Construction: wood, plywood, MDF with a unique blend of materials designed for booth isolation and sound absorption

Soundproof glass with highest acoustic parameters

External material: veneered board

Internal material: fabrics chosen by the client (felt, wool, alcantara, velour etc.) and veneered MDF board

Table: HPL laminated plywood

Floor: polyamide carpeting or any other chosen by the client

Flat doorstep

Lifted table as an option

Automatic door opening system on request

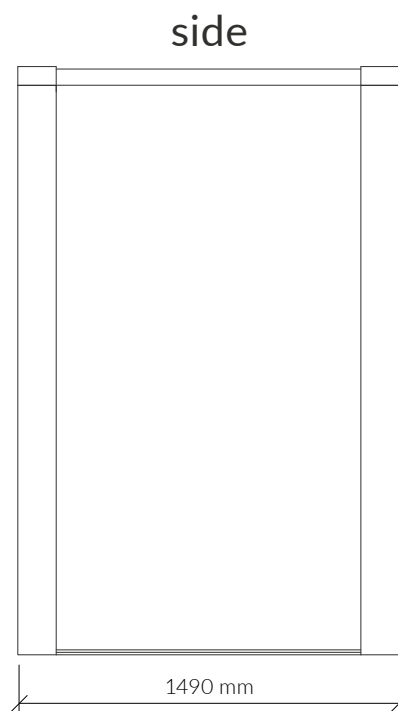
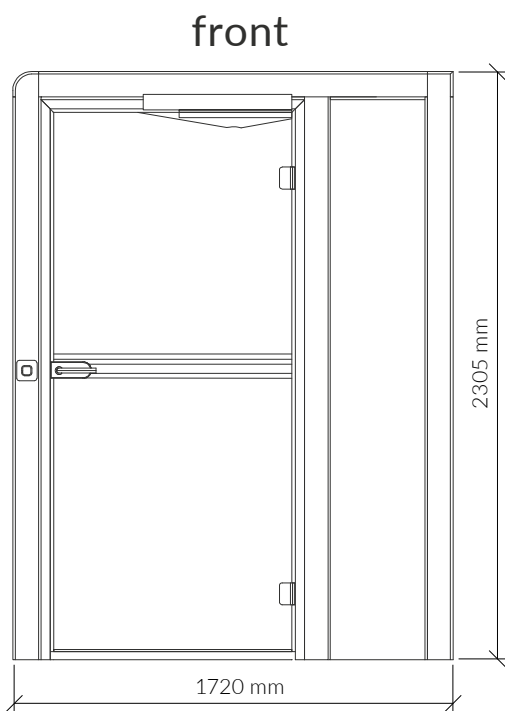
Glass back version available

ESSENTIAL DDA 1 PERSON XS

Our booths are designed for everyone, we take into account the limitations of office space, offering solutions perfectly suited to them.

DDA

Technical specification



Parameters:

External dimensions: 1720x1490x2305 mm (w,d,h)

Internal dimensions: 1500x1250x2040 mm (w,d,h)

Door: left or right, 930 mm w.

Weight: 665 kg (259,5 kg/m²)

Lighting:

Color temperature: 4000K

Acoustic parameters:

Speech level reduction: Class B
(declared level, according to ISO 23351 1:2020)

Wall Sound Insulation: $R_w=40$ dB

Reverberation time inside: 0,12 s

Quiet and efficient ventilation system

Power outlets:

USB-A: x1

USB-C: x1

230V electric socket: x1

Induction charger integrated into tabletop: x1

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DDA

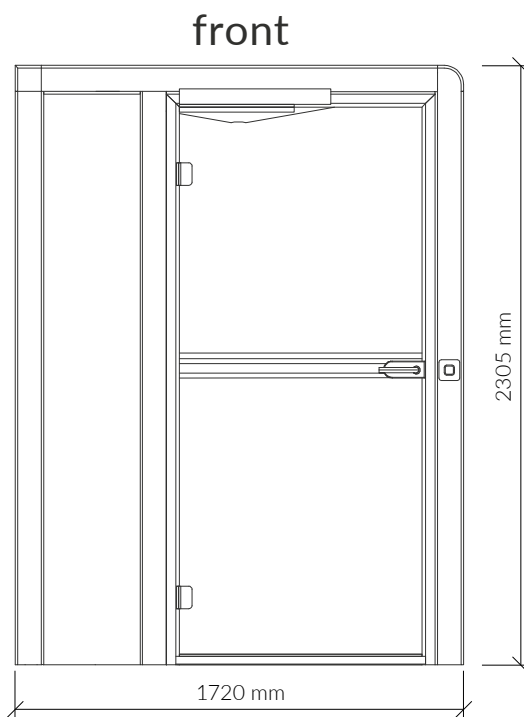
ESSENTIAL DDA 2 PERSONS S

The DDA 2 persons booth welcomes people in a wheelchair. It can also be used by two people using chairs. It is a universal solution that can be adapted to the needs of the moment.

Technical specification

32

OFFICE ACOUSTIC ESSENTIAL



Parameters:

External dimensions: 1720x1740x2305 mm (w,d,h)

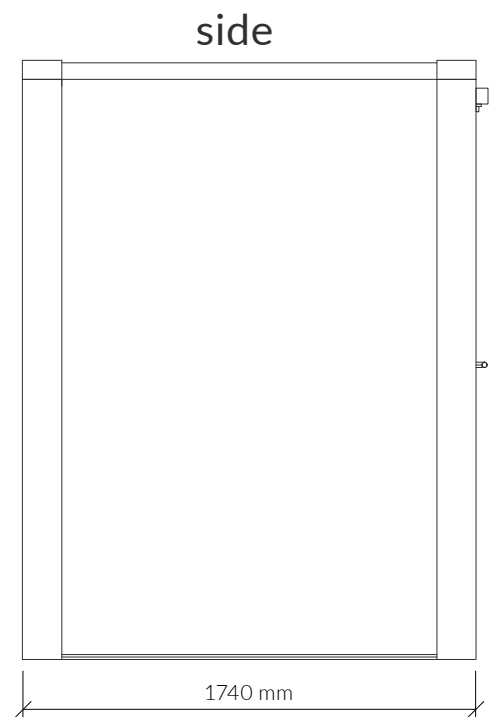
Internal dimensions: 1500x1500x2040 mm (w,d,h)

Door: left or right, 930 mm w.

Weight: 721 kg (240,9 kg/m²)

Lighting:

Color temperature: 4000K



Acoustic parameters:

Speech level reduction: Class B
(declared level, according to ISO 23351 1:2020)

Wall Sound Insulation: $R_w=40$ dB

Reverberation time inside: 0,14 s

Quiet and efficient ventilation system

Power outlets:

USB-A: x2

USB-C: x2

230V electric socket: x2

Induction charger integrated into tabletop: x2



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OFFICE ACOUSTIC ESSENTIAL

Materials used:

Construction: wood, plywood, MDF with a unique blend of materials designed for booth isolation and sound absorption

Soundproof glass with highest acoustic parameters

External material: veneered board

Internal material: fabrics chosen by the client (felt, wool, alcantara, velour etc.) and veneered MDF board

Table: HPL laminated plywood

Floor: polyamide carpeting or any other chosen by the client

Flat doorstep

Lifted table as an option

Automatic door opening system on request

Glass back version available

**Materials used:**

Construction: wood, plywood, MDF with a unique blend of materials designed for booth isolation and sound absorption

Soundproof glass with highest acoustic parameters

External material: veneered board

Internal material: fabrics chosen by the client (felt, wool, alcantara, velour etc.) and veneered MDF board

Table: HPL laminated plywood

Floor: polyamide carpeting or any other chosen by the client

Flat doorstep

Lifted table as an option

Automatic door opening system on request

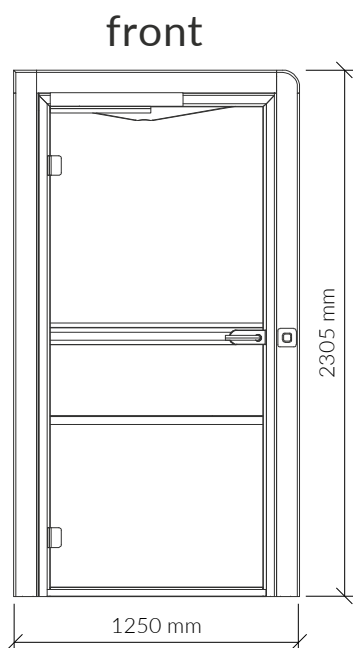
ESSENTIAL DDA NARROW S

Comfortable working conditions should apply for everyone.

We facilitate door opening with push-button system. Interior elements can also be adjusted; entry is not blocked with a threshold.

DDA

Technical specification



Parameters:

External dimensions: 1250x1900x2305 mm (w,d,h)

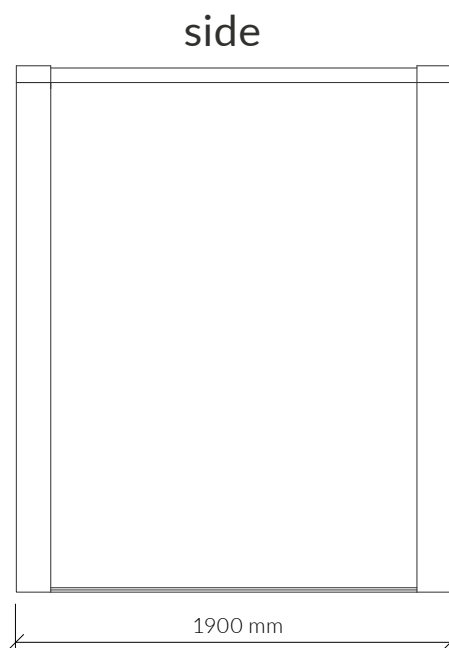
Internal dimensions: 1030x1660x2040 mm (w,d,h)

Door: left or right, 930 mm w.

Weight: 644 kg (271.2 kg/m²)

Lighting:

Color temperature: 4000K



Acoustic parameters:

Speech level reduction: Class B
(declared level, according to ISO 23351 1:2020)

Wall Sound Insulation: $R_w=40$ dB

Reverberation time inside: 0,11 s

Quiet and efficient ventilation system

Power outlets:

USB-A: x1

USB-C: x1

230V electric socket: x1

Induction charger integrated into tabletop: x1

35

DDA

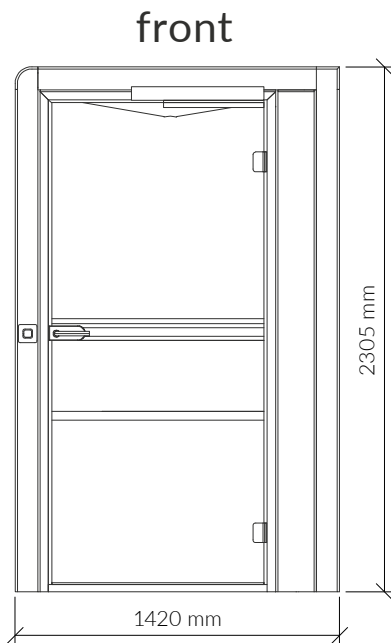
ESSENTIAL DDA NARROW L

If the space in the office allows, consider the DDA Narrow L booth - a person with mobility disabilities or alternatively two people sitting at one table can work freely in it. Spaciousness and acoustic privacy will certainly allow the people inside to maximize their productivity.

Technical specification

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OFFICE ACOUSTIC ESSENTIAL



Parameters:

External dimensions: 1420x2240x2305 mm (w,d,h)

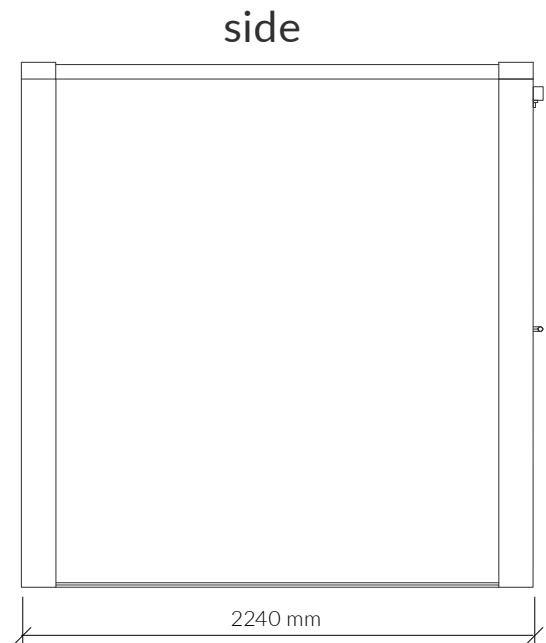
Internal dimensions: 1200x2000x2040 mm (w,d,h)

Door: left or right, 930 mm w.

Weight: 760 kg (238,9 kg/m²)

Lighting:

Color temperature: 4000K



Acoustic parameters:

Speech level reduction: Class B
(declared level, according to ISO 23351 1:2020)

Wall Sound Insulation: $R_w=40$ dB

Reverberation time inside: 0,15 s

Quiet and efficient ventilation system

Power outlets:

USB-A: x2

USB-C: x2

230V electric socket: x2

Induction charger integrated into tabletop: x2



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OFFICE ACOUSTIC ESSENTIAL

Materials used:

Construction: wood, plywood, MDF with a unique blend of materials designed for booth isolation and sound absorption

Soundproof glass with highest acoustic parameters

External material: veneered board

Internal material: fabrics chosen by the client (felt, wool, alcantara, velour etc.) and veneered MDF board

Table: HPL laminated plywood

Floor: polyamide carpeting or any other chosen by the client

Flat doorstep

Lifted table as an option

Automatic door opening system on request

**Materials used:**

Construction: wood, plywood, MDF with a unique blend of materials designed for booth isolation and sound absorption

Soundproof glass with highest acoustic parameters

External material: veneered board

Internal material: fabrics chosen by the client (felt, wool, alcantara, velour etc.) and veneered MDF board

Table: HPL laminated plywood

Floor: polyamide carpeting or any other chosen by the client

Flat doorstep

Lifted table as an option

Automatic door opening system on request

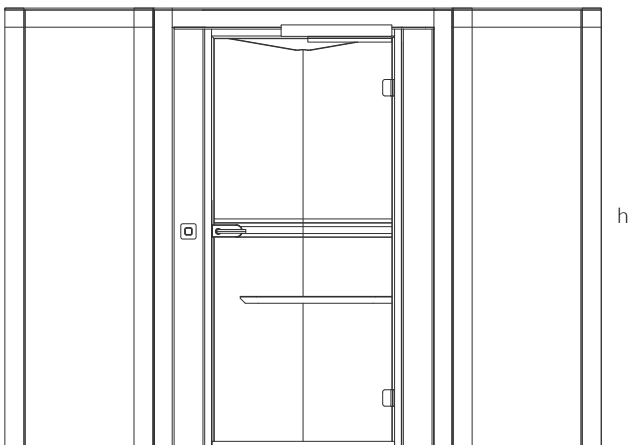
ESSENTIAL DDA CORNER

Having trouble making effective use of the corner space in the office? The solution is our ESSENTIAL DDA CORNER booth. Thanks to the spacious interior, a wheelchair user can move around freely. The comfort of the person inside can be increased with an optional adjustable table.

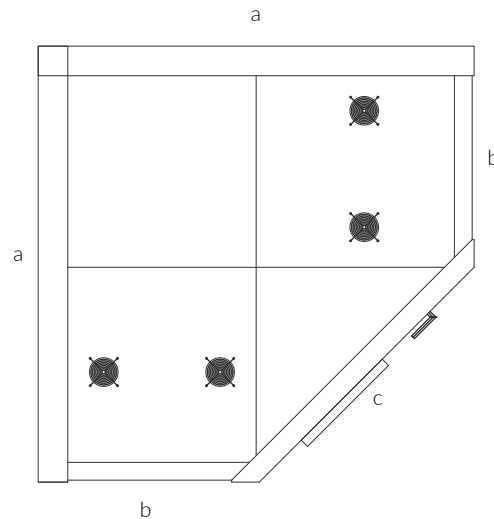
DDA

Technical specification

front



top



39

Parameters:

External dimensions: 2208x1120x1539x2305 mm (a,b,c,h)

Internal dimensions: 1978x941x1467x2040 mm (a,b,c,h)

Door: left or right, 930 mm w.

Weight: 875 kg (204,3 kg/m²)

Lighting:

Color temperature: 4000K

Acoustic parameters:

Speech level reduction: Class B
(declared level, according to ISO 23351 1:2020)

Wall Sound Insulation: $R_w=40$ dB

Reverberation time inside: 0,16 s

Quiet and efficient ventilation system

Power outlets:

USB-A: x2

USB-C: x2

230V electric socket: x2

Induction charger integrated into tabletop: x2

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OFFICE ACOUSTIC ESSENTIAL



officeAcoustic



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OFFICE ACOUSTIC ESSENTIAL

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OFFICE ACOUSTIC ESSENTIAL







Acoustic comfort in the office space

Acoustic comfort is the level of satisfaction and conveniences of office users related to the quality of sound in the rooms. It has a strong impact on the well-being, concentration and performance of employees. To achieve it, two main problems in open-space spaces must be solved:

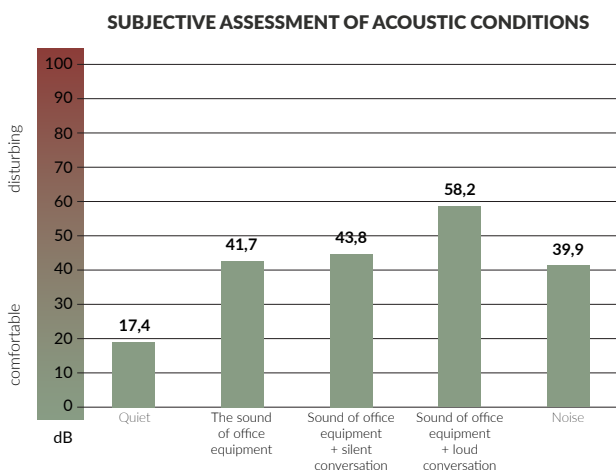
01 | NOISE

Studies [1] on noise at an open site indicate that

- as many as 70% of employees believe their productivity would increase if it wasn't for the noise
- 52% of employees find office noise levels stressful

Noise in the office can come from various sources, mainly conversations of colleagues, office equipment, sounds from the street or from neighboring rooms. It should not exceed level of 55 dB for conceptual work and 65 dB for customer service offices and the secretariat (according to the PN-N-01307:1994 standard).

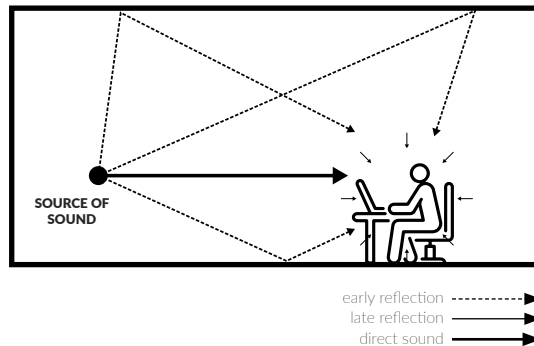
The graphic below [2] shows how employees subjectively assess comfort in terms of noise in open-space offices.



02 | REVERB

Sounds in a room with low-quality acoustics are reflected from the walls, floor, ceiling, windows, making it much more difficult to hear and understand what the other person is saying to us.

Reverberation is the time it takes for a sound to disappear after it has been emitted. The value that can be considered as recommended for office spaces is slightly below 0.6 s [3], however, too low a reverberation value is perceived by humans as unnatural, which causes discomfort.



As a result of many sound reflections from hard surfaces in the room, so-called reverberation noise is created, which makes the sound itself even more unpleasant to perceive. This happens especially in long rooms, e.g. open space.

Therefore, it is important to counteract reverberation by using appropriate acoustic materials in the office that have the property of sound absorption.

ACOUSTIC BOOTHS

One way to solve the noise problem is to use acoustic cubicles to separate loud conversations from the rest of the office. They are designed to provide adequate reverberation time to ensure a place where you can talk or hold a teleconference comfortably.

[1] Source: Čekan P, Rusko M, Il'ko J, et al. Elimination of excessive noise at the open office workplace [Eliminacja nadmiernego hałasu na otwartym stanowisku pracy biurowej]. Vedecké Práce Materiálovotechnologickej Fakulty Slovenskej Technickej Univerzity v Bratislave so Sídrom v Trnave. 2019;27:44.

[2] Source: Kamińska J. Ocena wpływu warunków akustycznych w środowisku pracy umysłowej na percepcję wzrokową i obciążenie psychiczne, sprawozdanie etapowe, W: Program wieloletni „Poprawa bezpieczeństwa i warunków pracy”. Etap V. Okres realizacji: lata 2020-2022; 2019.

[3] Source: Norma PN-B-02151-4. Akustyka budowlana. Ochrona przed hałasem w budynkach. Wymagania dotyczące warunków pogłosowych i zrozumiałości mowy w pomieszczeniach.

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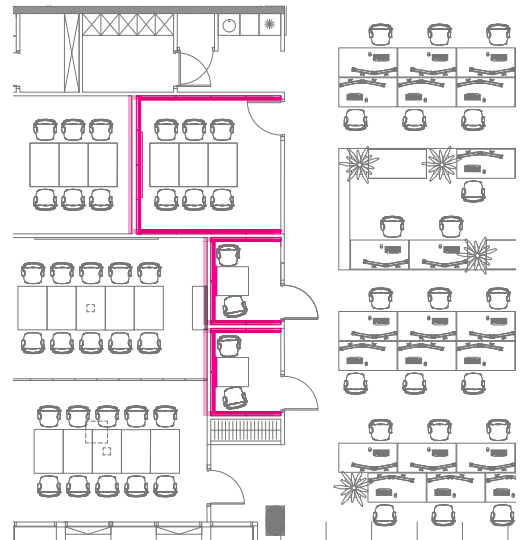
Acoustic treatment

adapt your office interior to the design of acoustic booths.

Room acoustic treatment is the process of adapting the acoustic conditions in a given space to its purpose and the requirements of its users. The aim is to improve sound quality and speech intelligibility, as well as to reduce noise and reverberation, which can be detrimental to the comfort of those inside the room.

This is particularly important in office spaces during talks or conferences.

As a carpentry company, in addition to acoustic cabins, we offer adaptations of existing rooms in a consistent style.



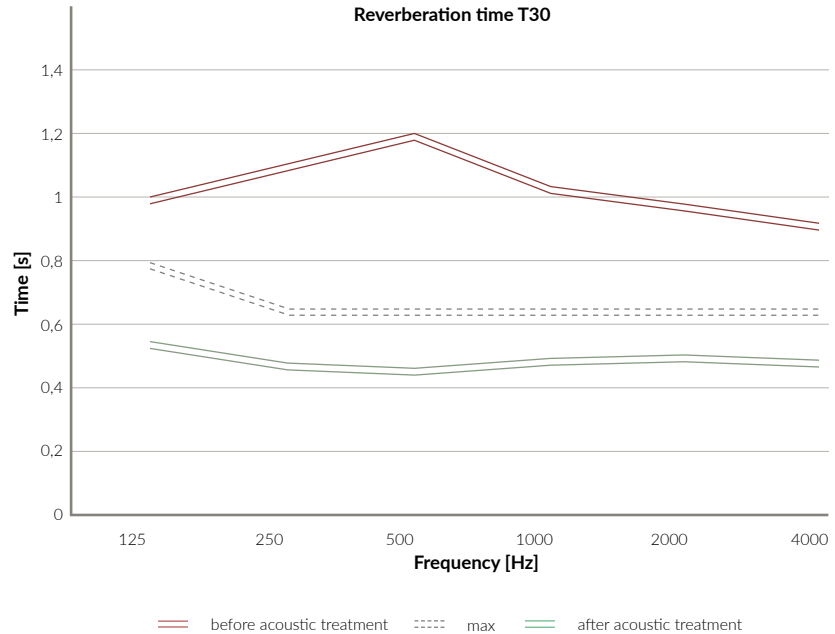
Two factors are inextricably linked with acoustic adaptation:

Reverberation time

This is one of the most important acoustic aspects in office interiors.

It must be adapted to the function and volume of the interior. Long reverberation times lead to problems with speech intelligibility. Insufficient reverberation time makes it uncomfortable to be in the room, gives an unnatural impression and makes communication difficult due to the low number of sound reflections.

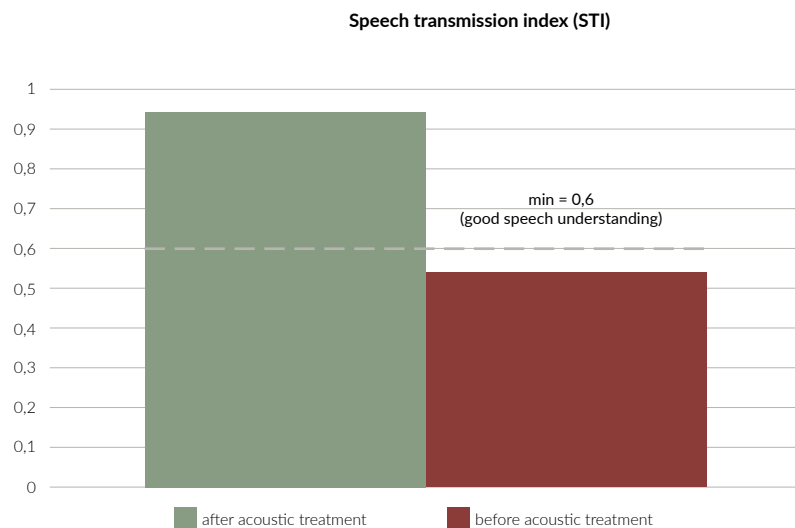
Based on acoustic simulations of an example interior, a standard-compliant reverberation time value was obtained, which allows free communication.



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Speech Transmission Index (STI)

This is the second important factor related to the successful acoustic adaptation of office spaces. The STI is a measure of how well speech can be understood in a given acoustic environment. It depends on a number of factors, such as noise level and reverberation time, among others. The STI takes values from 0 to 1, where 0 means no speech intelligibility and 1 means excellent speech intelligibility. The higher the STI value, the better.

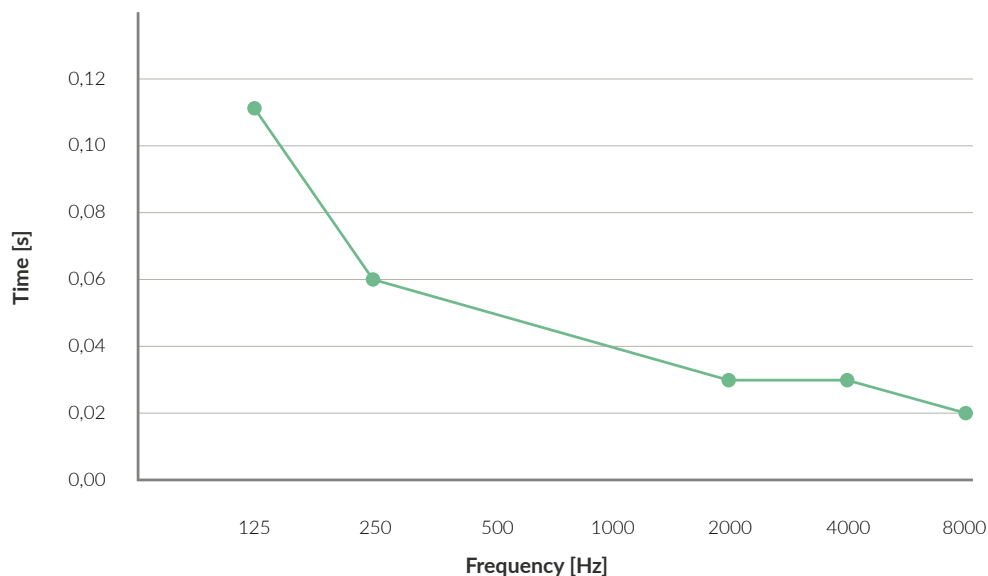


Reverberation time inside T30

measured for Essential XS through a standard-based methodology: PN-EN ISO 3382-2

Reverberation time index: **0.06s**

Recommended value for offices **<0,6s**



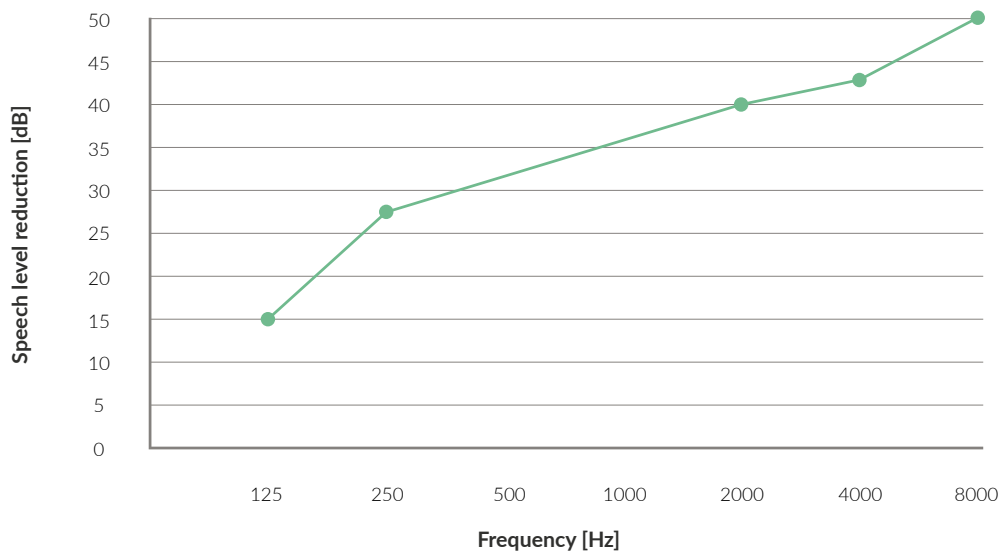
48

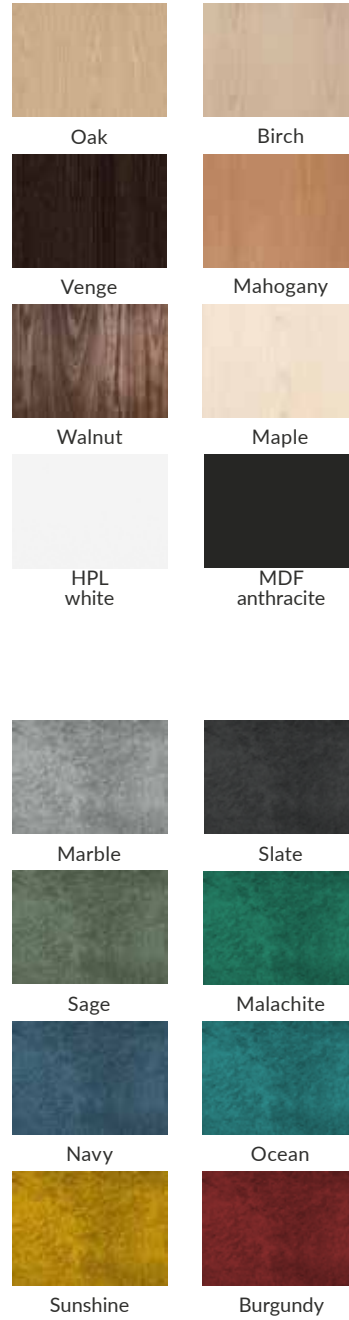
Speech level reduction

measured for Essential XS through ISO 23351-1:2020

$D_{s,A} = 30,7 \text{ dB}$

Class: A





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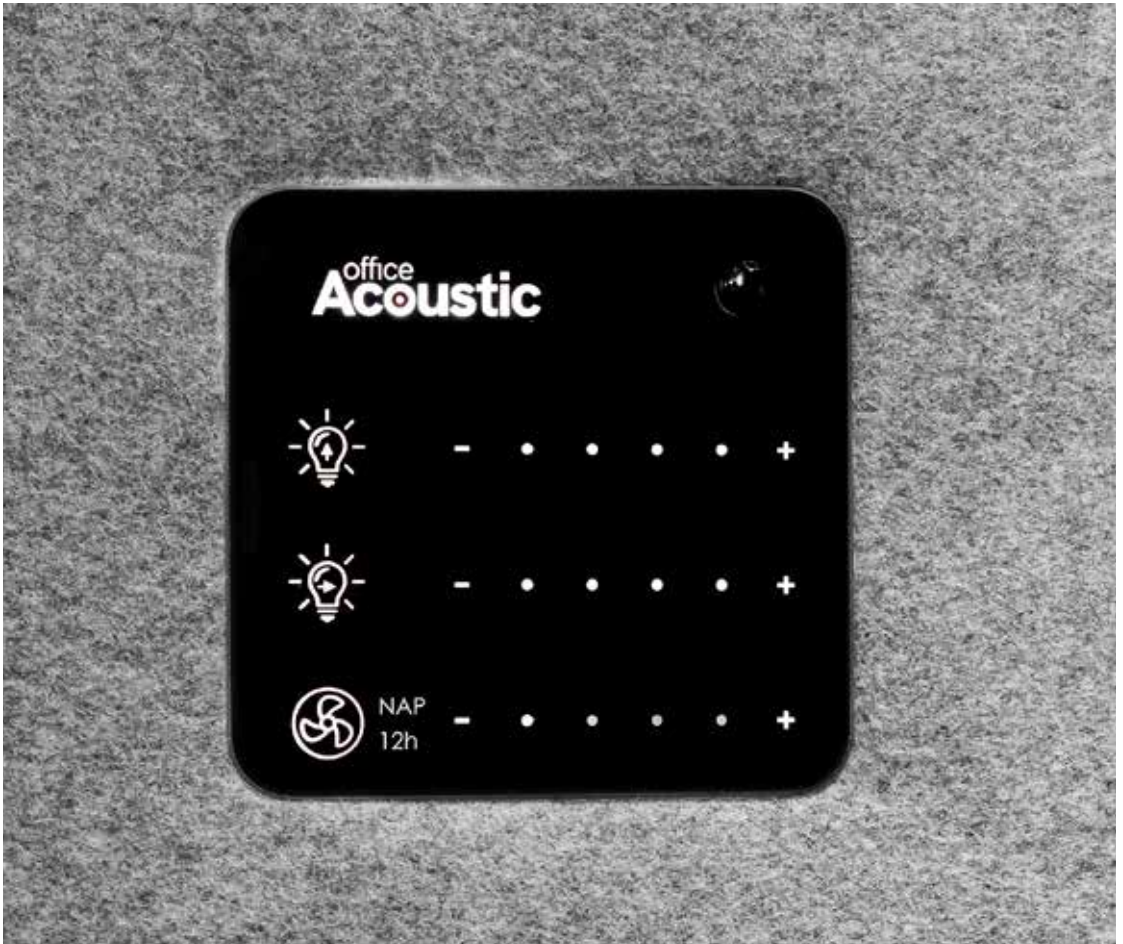
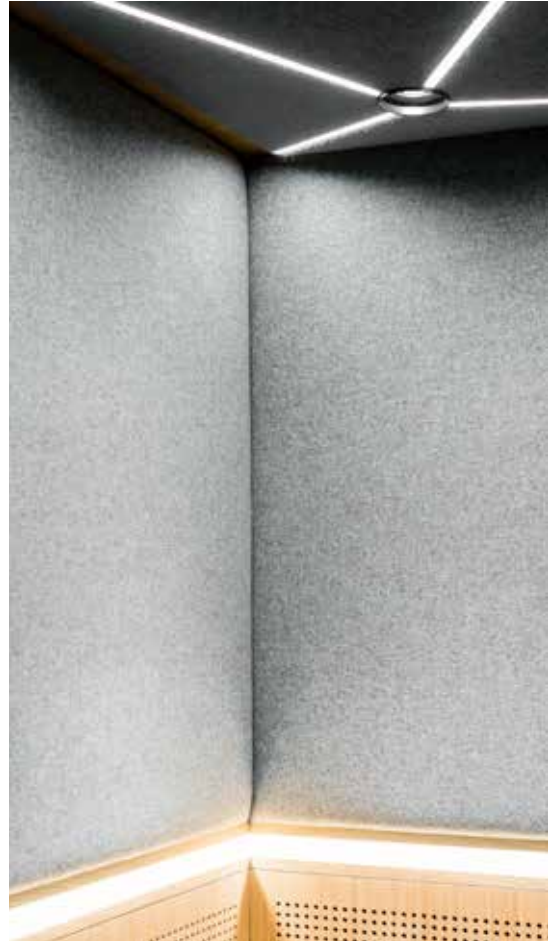
OFFICE ACOUSTIC ESSENTIAL

Standard equipment:

- | | | | |
|-------------------------------------|-------------------------|-----------------------------|-------------------------|
| Light and ventilation control panel | Motion sensor | Advanced ventilation system | USB-A and USB-C outlets |
| DayLight effect lighting | BassTrap | Acoustic panels | 1 electrical outlet |
| Wireless charger | Natural veneer finishes | Bench/sofa | Illuminated doorstep |
| Table | Panel carpet standard | Sound absorption system | Right/Lef corner |

Optional equipment:

- | | |
|-------------------|------------------|
| Conference system | Occupancy sensor |
| LAN outlet | Contract carpet |





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OFFICE ACOUSTIC **ESSENTIAL**

More variants



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OFFICE ACOUSTIC ESSENTIAL





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OFFICE ACOUSTIC ESSENTIAL

Glass back versions



ESSENTIAL XS
transparent



ESSENTIAL S
transparent

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OFFICE ACOUSTIC **ESSENTIAL**



ESSENTIAL DDA
1 PERSON XS
transparent



ESSENTIAL M | ESSENTIAL L
transparent



ESSENTIAL DDA
2 PERSONS S
transparent

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OFFICE ACOUSTIC **ESSENTIAL**

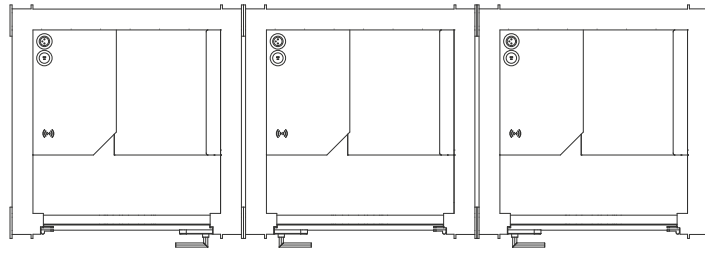
Multiply pieces into one form

Different office spaces mean different needs - our booths are specially designed for making a various sets so you can arrange your place as you want. Feel free to combine them!

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OFFICE ACOUSTIC ESSENTIAL

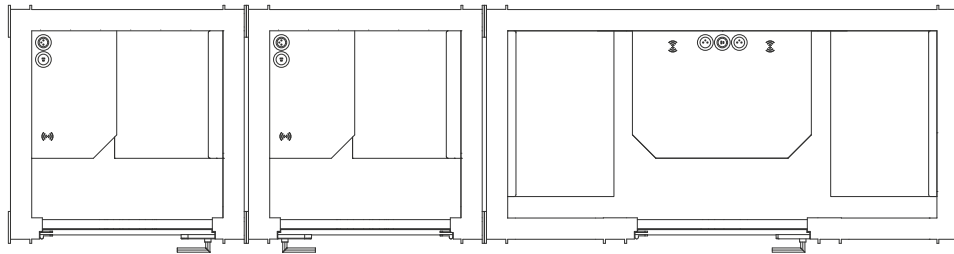




XS XS XS



ESSENTIAL XS left finish, left door **ESSENTIAL XS** center finish, right door **ESSENTIAL XS** right finish, right door

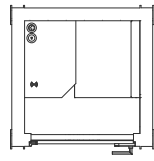


XS XS M

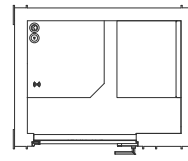


ESSENTIAL XS left finish, left door **ESSENTIAL XS** center finish, left door **ESSENTIAL M** right finish, left door

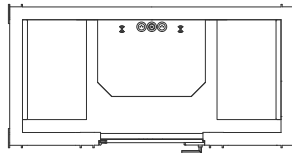
ESSENTIAL XS



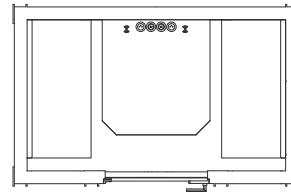
ESSENTIAL S



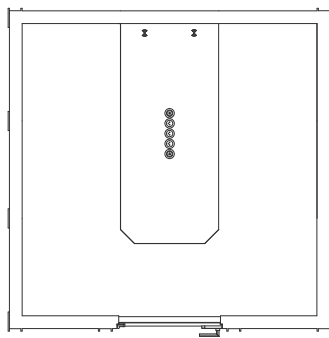
ESSENTIAL M



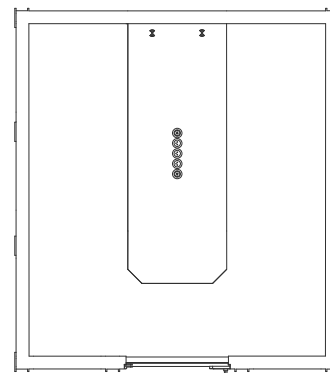
ESSENTIAL L



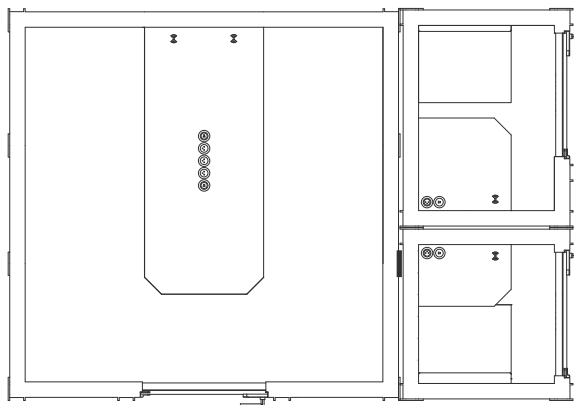
ESSENTIAL XL



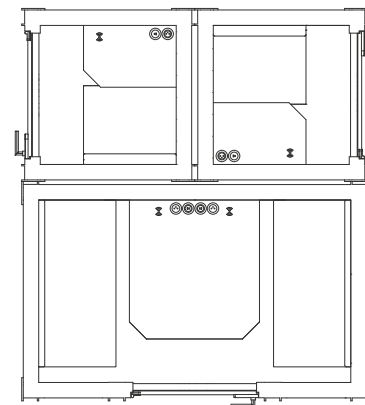
ESSENTIAL XXL



ESSENTIAL XL | S | XS



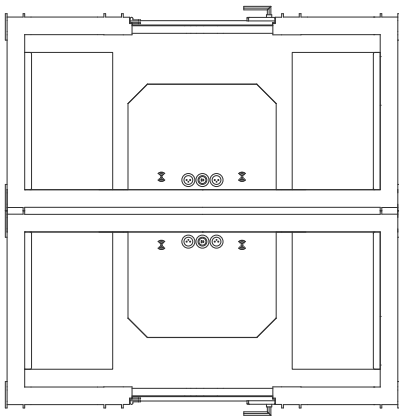
ESSENTIAL XS | XS | L



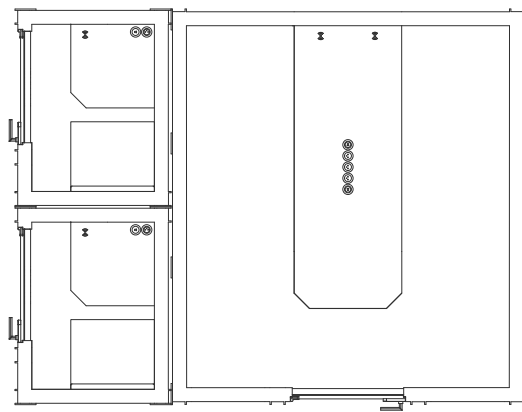


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ESSENTIAL M | M

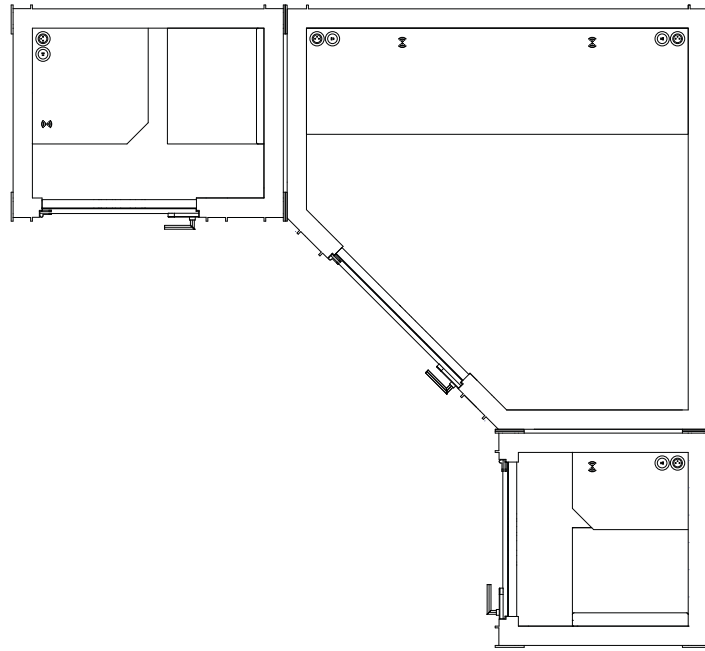


ESSENTIAL S | S | XXL



OFFICE ACOUSTIC ESSENTIAL

ESSENTIAL S | CORNER DDA | XS



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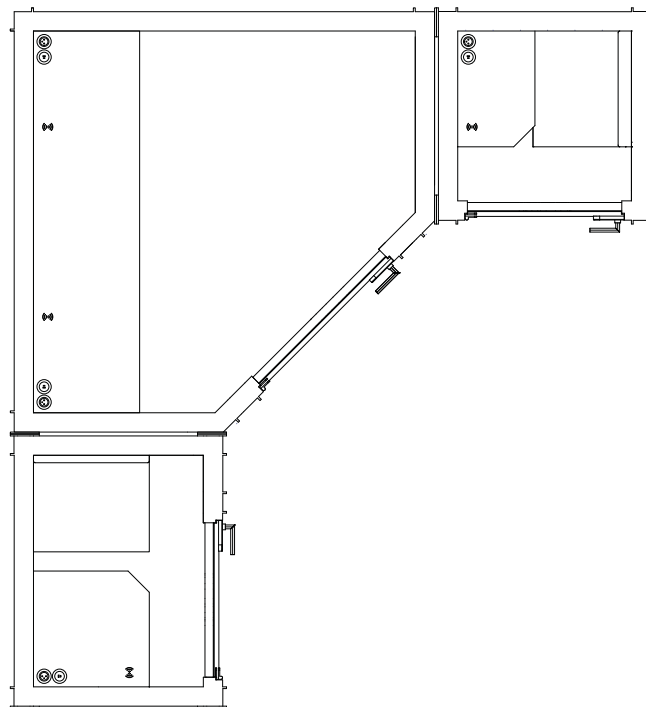
OFFICE ACOUSTIC ESSENTIAL



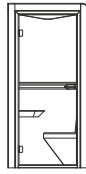


61

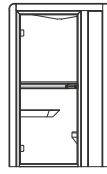
ESSENTIAL S | CORNER | XS



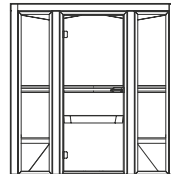
OFFICE ACOUSTIC ESSENTIAL



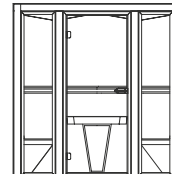
XS



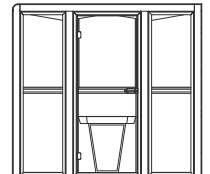
S



M



L

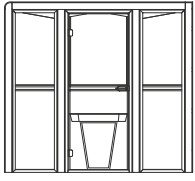


XL

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OFFICE ACOUSTIC **ESSENTIAL**

External dimensions: <small>[mm] (d,w,h)</small>	1120x1120x2305	1420x1120x2305	2240x1120x2305	2240x1420x2305	2540x2540x2305
Internal dimensions: <small>[mm] (d,w,h)</small>	900x880x2040	1200x880x2040	2020x880x2040	2020x1180x2040	2320x2300x2040
Door width	830 mm, left or right				
Weight	435 kg <small>(346,8 kg/m²)</small>	518 kg <small>(325,7 kg/m²)</small>	748 kg <small>(298,2 kg/m²)</small>	840 kg <small>(264,1 kg/m²)</small>	1199 kg <small>(185,9 kg/m²)</small>
Speech level reduction <small>(declared level; according to ISO 23351 1:2020)</small>	Class A		Class B		
Reverberation time inside <small>(according to PN-EN ISO 3382-2)</small>	0,05 s	0,06 s	0,09 s	0,12 s	0,17 s
Wall Sound Insulation	Rw = 40 dB				
Glass	soundproof, hardened, safety				
Lighting color temperature	LED, 4000K				
Upholstery	fabrics chosen by the client				
Internal perforated material	veneered MDF board				
Table	HPL laminated plywood (easy to fix)				
Floor	polyamide carpeting or any other chosen by the client				
Ventilation system	quiet and efficient				
Doorstep	illuminated				
Power outlets	USB-A: x1 USB-C: x1 230V electric socket: x1	USB-A: x1 USB-C: x1 230V electric socket: x2	USB-A: x2 USB-C: x2 230V electric socket: x2	USB-A: x2 USB-C: x2 230V electric socket: x3	
Induction charger integrated into tabletop	x1	x2	x2	x2	



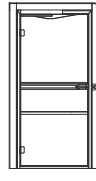
XXL



DDA
1PERSON



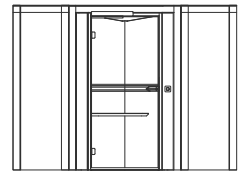
DDA
2PERSONS



DDA NARROW S



DDA NARROW L



CORNER |
DDA CORNER

2540x2840x2305	1720x1490x2305	1720x1740x2305	1250x1900x2305	1420x2240x2305	2208x1120x1539x2305 (a,b,c,h)	
2320x2600x2040	1500x1250x2040	1500x1500x2040	1030x1660x2040	1200x2000x2040	1978x941x1467x2040 (a,b,c,h)	
930 mm, left or right						
1303 kg (180,6 kg/m ²)	665 kg (259,5 kg/m ²)	721 kg (240,9 kg/m ²)	644 kg (271,2 kg/m ²)	760 kg (238,9 kg/m ²)	881 kg (205,7 kg/m ²)	875 kg (204,3 kg/m ²)
Class B						
0,20 s	0,12 s	0,14 s	0,11 s	0,15 s	0,16 s	
Rw = 40 dB						
soundproof, hardened, safety						
LED, 4000K						
fabrics chosen by the client						
veneered MDF board						
HPL laminated plywood (easy to fix)						
no floor					polyamide carpeting	no floor
quiet and efficient						
flat					illuminated	flat
USB-A: x2 USB-C: x2 230V electric socket: x3	USB-A: x1 USB-C: x1 230V electric socket: x1	USB-A: x2 USB-C: x2 230V electric socket: x2	USB-A: x1 USB-C: x1 230V electric socket: x1	USB-A: x2 USB-C: x2 230V electric socket: x2		
x2	x1	x2	x1	x2		



Innovation in your space

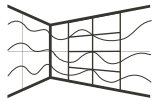
Office Acoustic provides acoustic solutions, including furniture, claddings, panels, slabs, and mobile meeting rooms. Our products improve room acoustics in public and institutional facilities such as airports, hotels, and office buildings. We prioritize both aesthetic and acoustic aspects and select natural materials carefully. Our aim is to provide high quality acoustic systems in line with global trends.



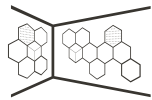
Discover more office Acoustic



mobile
silent rooms
ESSENTIAL



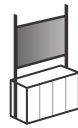
wall and
ceiling pet
SOUNDBLOCK



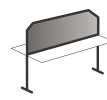
wall and ceiling
acoustic panels
PURE



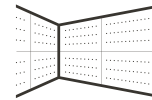
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flexible
interior system
SMART



powerpole
system
FRAME



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workplace
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structures
STRUCTURE

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