

# flathouse FH 2

: product card



**bejot:**

# flathouse FH 2

design:  
Bejot Development Team

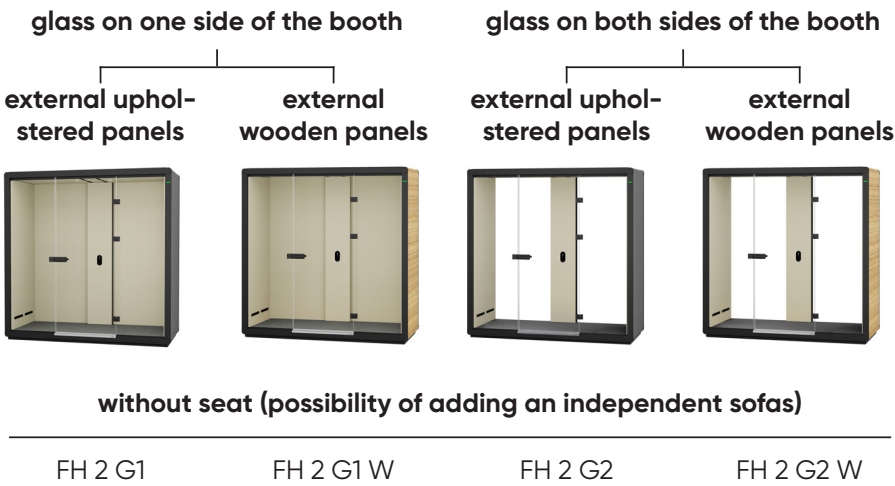
Two-person Flathouse booth designed to provide suitable conditions for quiet conversations and short meetings.

Flathouse is an acoustic booth designed with comfort and privacy in mind, suitable for any space. The sound-absorbing panels and high-quality materials effectively reduce external noise, providing ideal conditions for quiet conversations and short meetings. The acoustic insulation has been optimized to minimize excess stimuli and suppress ambient noise while still allowing the reception of essential signals, such as alarms.

- Acoustics**  
sound insulation, sound absorption
- Functions**  
short meetings, focused work
- Spaces**  
open spaces, public areas

## models

bejot:



single-seat sofa  
designed for FH 2

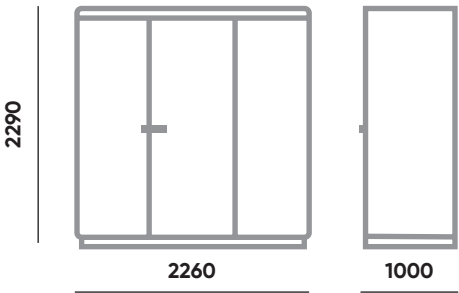


FH SF 2

freestanding stool  
for FH 2



XH ST





- 1.A external upholstered panels**  
available in a variety of fabrics in a wide range of colors

- 1.B external wooden panels**  
oak planks in natural color

- 2 internal upholstered panels**  
available in a variety of fabrics in a wide range of colors

- 3.A upholstered rear wall**  
available in a variety of fabrics in a wide range of colors

- 3.B rear wall made of acoustic safety glass**

- 4 floor**  
• acoustic felt carpet, dark gray  
○ oak planks, natural color

- 5.A roof panel in upholstered booths:**  
• upholstered in the color of the panels

- 5.B roof panel in wooden booths:**  
• upholstered, Fabric Fenno FN009  
○ oak planks, natural colors

- 6 tabletop (700x460)**  
height 705 mm or 1100 mm  
○ laminated board  
○ finger joint solid oak wood

- 7 multimedia panel**  
• upholstered in fabric of internal panels  
○ preparation for 32" TV mounting

- 8 media port**  
○ three-module media port mounted in the multimedia panel above the tabletop

- 9 system audio**  
○ audio system with mono amplifier and Bluetooth® control (mounted in an invisible place in the multimedia panel)

- 10 frame, hinges, fittings, and handle made of metal, powder-coated in black**

- 11 occupancy system at the front and back of the booth**

- 12 cable grommets in the roof panels**  
○ prepared for the installation of fire safety equipment

- 13 freestanding stool with height adjustment for a tabletop at 1100 mm**

- 14 2x single-seat armchair for a tabletop at 705 mm**

• standard ○ option

## equipment



### booth occupancy system (standard)

A system located at the front and back of the booth, activated by a built-in motion sensor, indicating the booth's occupancy during use. Once the fans have completed their operation and the air has been refreshed, the booth is ready for use again.



### acoustic glass (standard)

Transparent, acoustic, and safety glass with acoustic seals. Made of laminated glass with four layers of anti-vibration film. In the event of breakage, the shards remain stuck to the film, minimizing the risk of injury. The film also serves as a sound barrier, enhancing the acoustic properties of the glass. In the G1 version, the glass is only at the front of the booth, while in the G2 version, it is at both the front and the back.

Glass thickness: 8.5 mm. Width of the tempered glass door: 810 mm.



130m<sup>3</sup>/h

### ventilation (standard)

An efficient ventilation system utilizing quiet fans with an airflow of approximately 130 m<sup>3</sup>/h. The air volume is optimized to ensure the user's comfort. The system is fully automatic and safe to use.

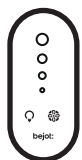
**Ventilation function** – after leaving the booth, the ventilation will continue to operate for an additional 3 minutes to ensure comfort for the next users.



### ceiling lighting (standard)

Efficient, energy-saving LED lighting, automatically activated by a motion sensor, with adjustable light intensity.

Two LED lamp integrated into the ceiling panel, light color 4000 K, brightness 2x216 lm, powered by a 12 V mains connection.



### touch panel (option)

Touch panel for 4-level adjustment of ventilation and lighting. Installation location: above the tabletop, or at a height of 850 mm/1250 mm from the floor if no tabletop is installed.



### audio system (option)

Mono audio system with an amplifier and Bluetooth control, mounted in a concealed location.



### leveling feet (standard)

Leveling feet that ensure stable positioning of the booth.



### transport wheels (standard)

Built-in transport wheels that make moving the booth easier. Thanks to the wheels, only one person is needed to move the booth. To stabilize and level the booth, lift the transport wheels and lower the leveling feet. To adjust the feet, remove the black plugs located in the floor and use a 7 mm socket wrench or flat screwdriver to raise or lower the feet to the desired height.



### preparation for TV installation (option)

Preparation for mounting a 32" TV: grommet, cable grommet (bracket, HDMI cable and mounting by customer).



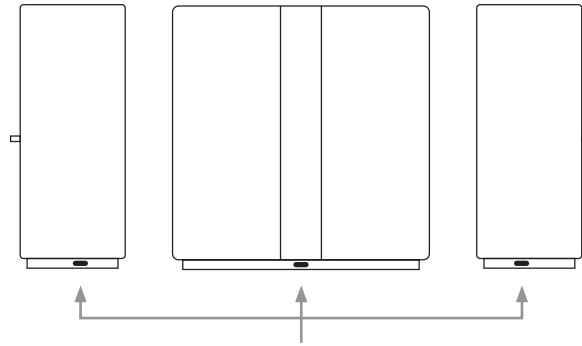
### preparation for fire protection equipment installation (option)

Prepared for the installation of fire protection devices such as speakers and sensors.  
Cable pass-throughs with a diameter of 25 mm prepared in the roof panels (both internal and external).



### electrical installation (standard)

Safe electrical installation. Components based on the 12 V standard. Includes a 2.5 m power cable (plug type E – Poland/France, type F – Germany, type G – United Kingdom).

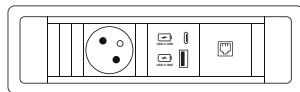


option to choose power cable exit location

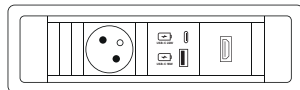


### media port mounted in the multimedia panel above the tabletop (option)

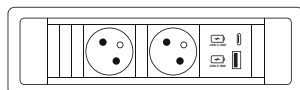
The type [t] of electrification should be specified:  
type E – Poland, France / type F – Germany<sup>1</sup>  
type G – United Kingdom<sup>2</sup>



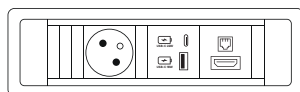
**[t]3VACR (option)<sup>1</sup>**  
media port with three sockets:  
230 V / USB A + C / RJ, with a power output of 22 W



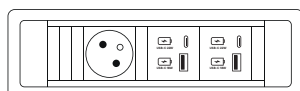
**[t]3VACH (option)<sup>1,2</sup>**  
media port with three sockets:  
230 V / USB A + C / HDMI, with a power output of 22 W



**[t]3VACV (option)<sup>1</sup>**  
media port with three sockets:  
230 V / 230 V / USB A + C, with a power output of 22 W



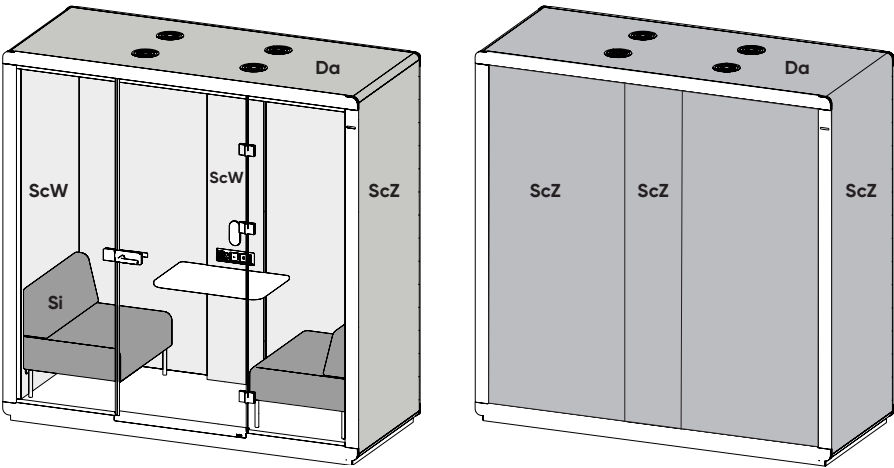
**[t]3VACHR (option)<sup>1</sup>**  
media port with three sockets:  
230 V / USB A + C / HDMI + RJ, with a power output of 22 W



**[t]3VACAC (option)<sup>1</sup>**  
media port with three sockets:  
230 V / USB A + C / USB A + C, with a power output of 22 W

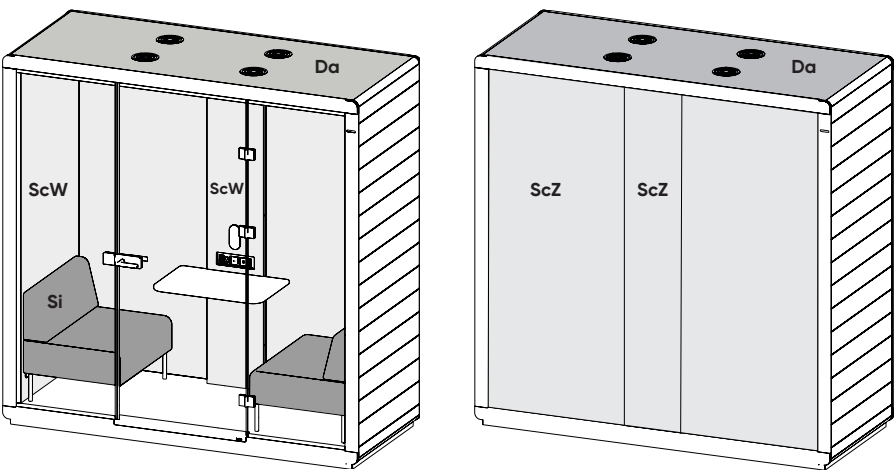
# upholstery capabilities

## FH 2 G1/G2



- **first color of the fabric**  
ScW – interior walls, interior ceiling panel and multimedia panel
- **second color of the fabric**  
ScZ – exterior wall  
Da – exterior roof panel
- **third color of the fabric**  
Si – seat

## FH 2 G1/G2 W



- **first color of the fabric**  
ScW – interior walls, interior ceiling panel and multimedia panel  
ScZ – exterior wall
- **second color of the fabric**  
Da – exterior roof panel, available in Fenno FN009 fabric or optionally in wood
- **third color of the fabric**  
Si – seat

**fabric application possibilities**

**Flathouse FH 2**

1 grp.	2 grp.	3 grp.	4 grp.
fenno lodge	alaska alpa charles, charles SD cura pastel roccia	ally, ally SD alpa SD blazer cura SD cyber SD easy SD oceanic synergy, synergy SD client's fabric	oceanic SD remix SD

**single-seat sofa**

1 grp.	2 grp.	3 grp.	4 grp.	5 grp.
fenno lodge	alaska alpa charles, charles SD cura pastel roccia	ally, ally SD alpa SD blazer cura SD cyber SD easy SD oceanic synergy, synergy SD client's fabric	oceanic SD remix SD	steelcut trio_SD

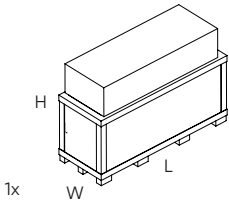
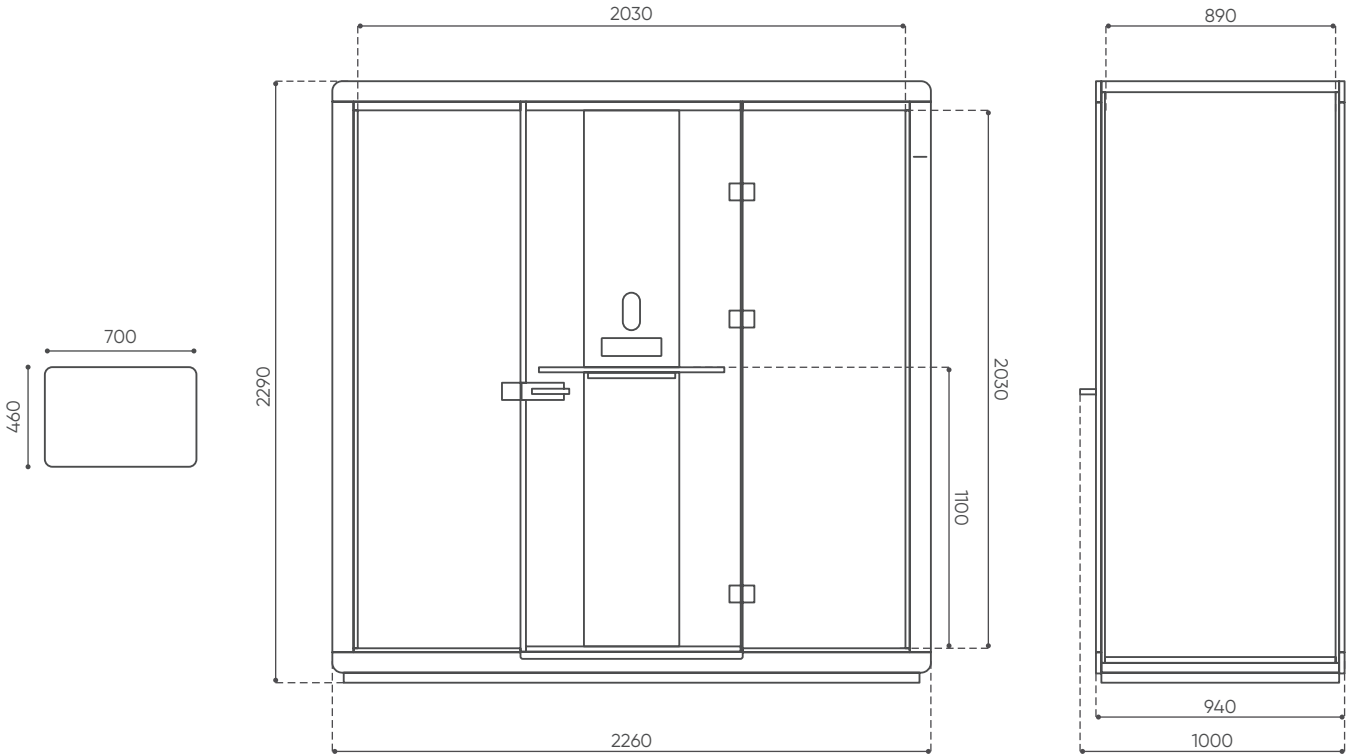
**freestanding stool**

Black fabric Fidivi One 8033

**upholstered roof panel in FH 2 W**  
(booth with wooden exterior panels)

Fenno FN009


dimensions, packaging and weights



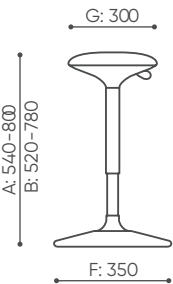
cardboard  
packaging

H: 1580  
L: 2435  
W: 1010



 kg	FH 2 G1 + T	FH 2 G1 W + T	FH 2 G2 + T	FH 2 G1 W + T
net weight of the product	528	552	598	622
gross weight of carton	580	605	650	670

XH ST



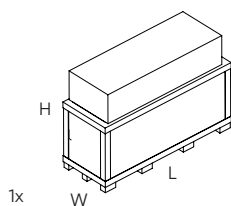
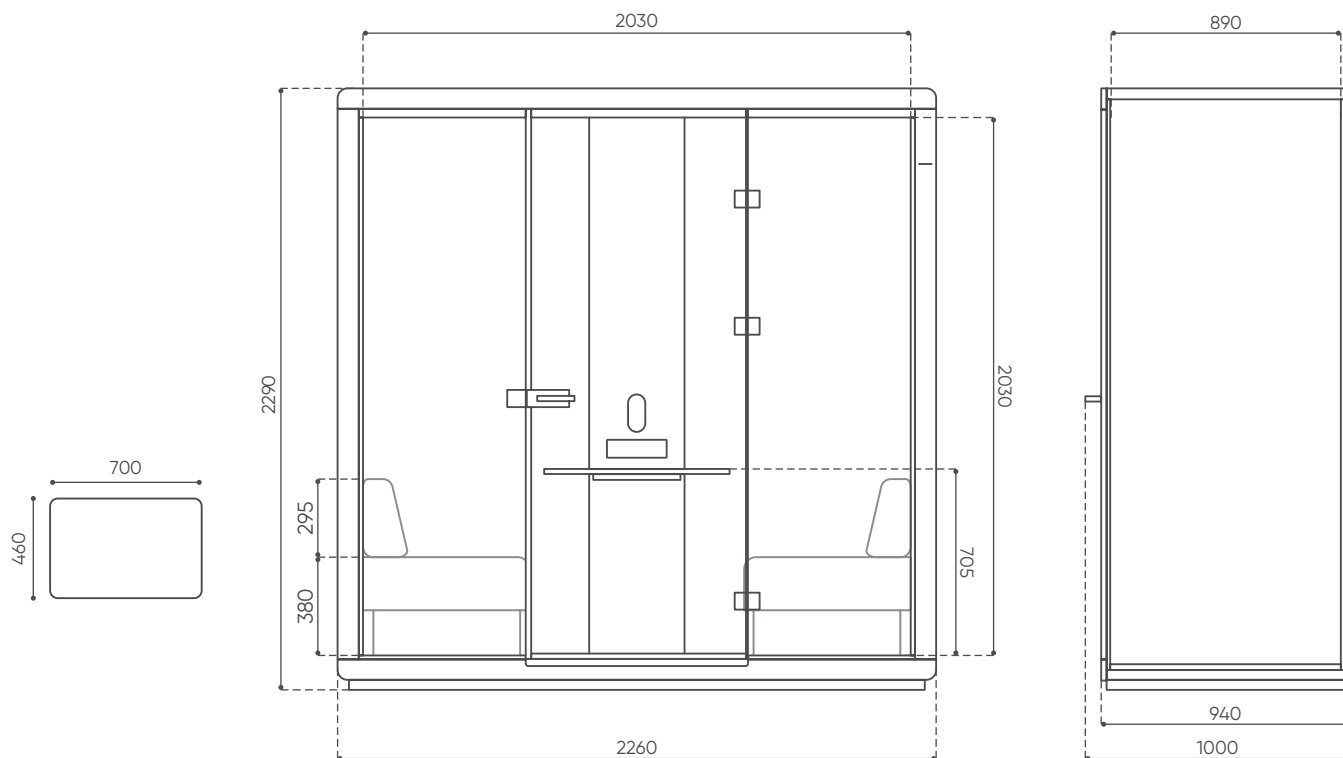
H: 625  
W: 405  
L: 405

1 szt.  
St.  
pc.



net 5  
gross 7






cardboard  
packaging

H: 1980  
L: 2 434  
W: 1010



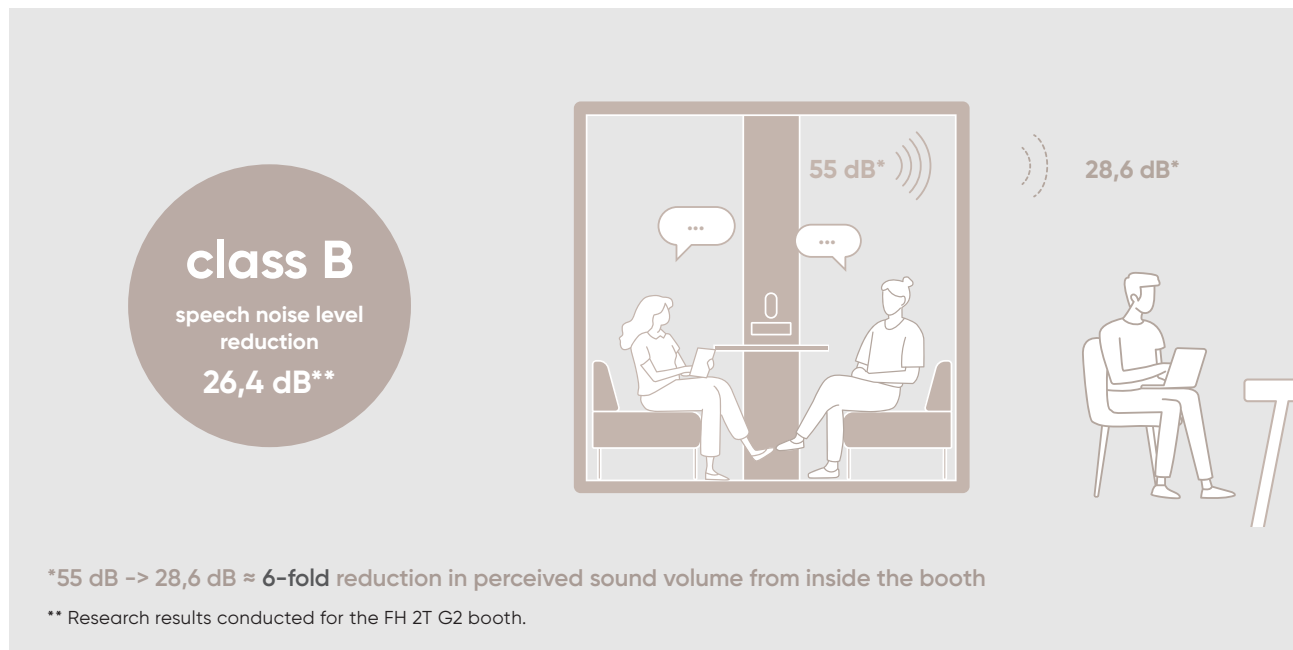
 kg	<b>FH 2 G1 + T + 2x XH SF</b>	<b>FH 2 G1 W + T + 2x XH SF</b>	<b>FH 2 G2 + T + 2x XH SF</b>	<b>FH 2 G1 W + T + 2x XH SF</b>
net weight of the product	550	575	620	645
gross weight of carton	600	625	670	695

## acoustic Information

### reduction of speech noise level

according to: ISO 23351-1:2020

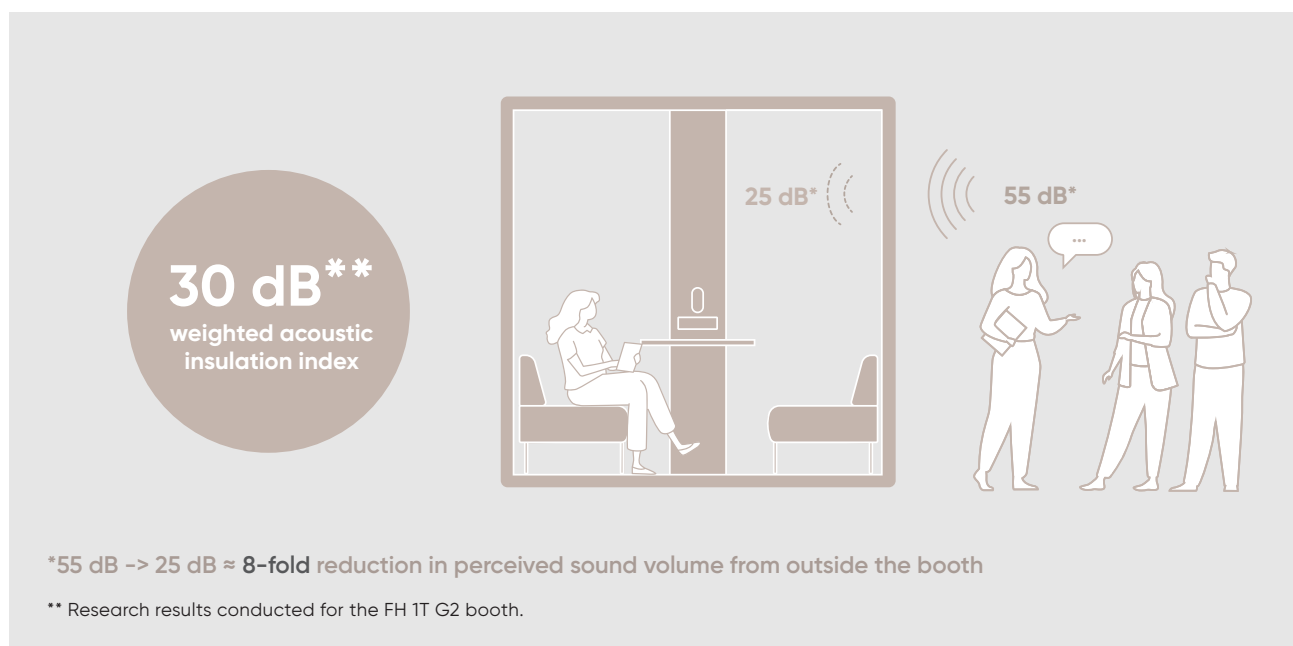
The volume level of a conversation held by a person inside the Flathouse booth is reduced by almost half (in dB), while the perceived decrease in loudness is as much as sixfold! This ensures that conversations inside the booth remain confidential.



### acoustic insulation of the booth

according to standards: PN-EN ISO 717-1:2021-06

Optimal acoustic insulation enhances comfort and work efficiency, facilitates conversations and video conferences, reduces fatigue, and limits excessive stimuli.



## sound absorption coefficient

according to standards: PN-EN ISO 11654:1999 i PN-EN ISO 354:2005

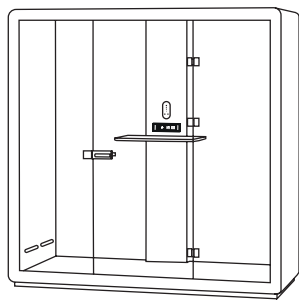
The upholstered panels of the Flathouse booth, compared to most booths on the market (typically finished with hard, highly sound-reflective materials), are filled with special acoustic felt. This material reduces the number of sound reflections in the room, thereby lowering the noise level in the office. The Flathouse acoustic booth, in its externally upholstered version, improves the acoustic conditions of the room in which it is placed. It introduces approximately 6 m<sup>2</sup> of sound-absorbing surface.

$$\alpha_w = 0,65(MH)$$

sound  
absorption  
coefficient

# sustainable development

Flathouse booths have been designed with durability and minimal environmental impact in mind.

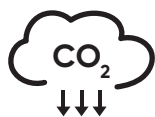


98%

the materials of the FH 2 G2 booth are recyclable



The FH 2 G2 model is made from materials that can be recycled after the end of their use. This is a practical way to reduce waste and give materials a second life.



## less waste at the design stage

Before the final product is created, we focus on minimizing waste and selecting materials with a low environmental footprint. The booth's components are easy to disassemble and sort, facilitating further recycling.

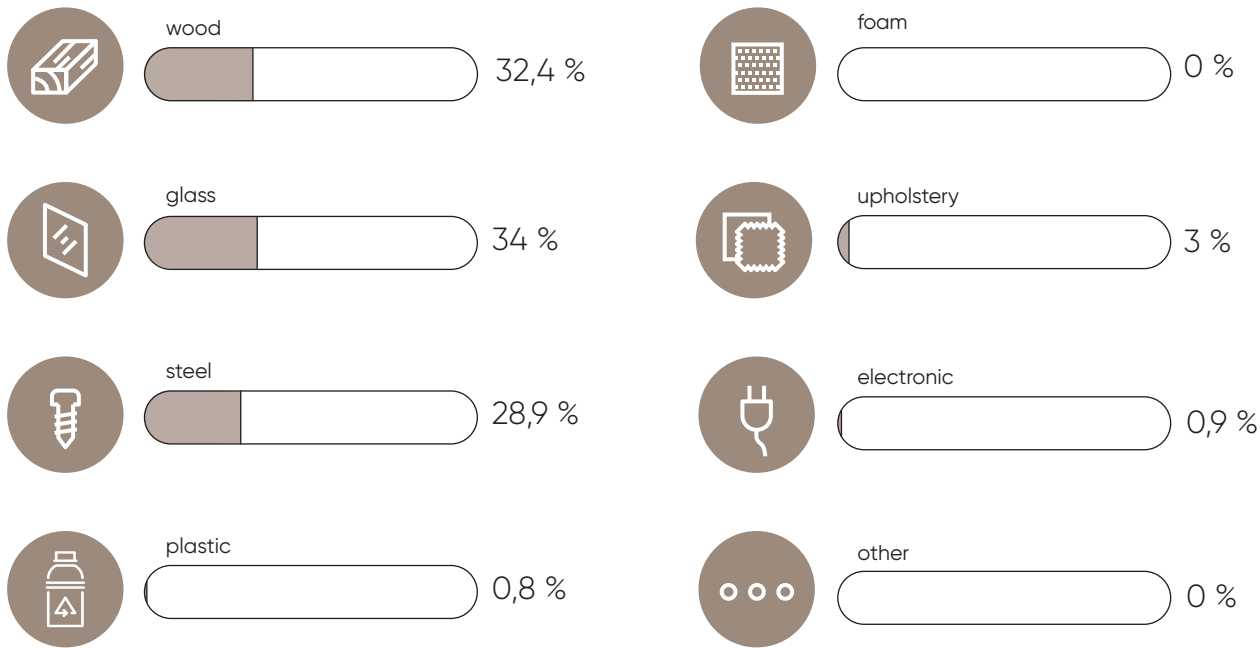


## responsible sourcing

The wooden elements used in our products come from suppliers certified by FSC or PEFC, which confirm compliance with international standards for responsible forest management, considering environmental, social, and economic factors.

# material composition

The percentage of each material's mass in the Flathouse FH 4 G2 booth.

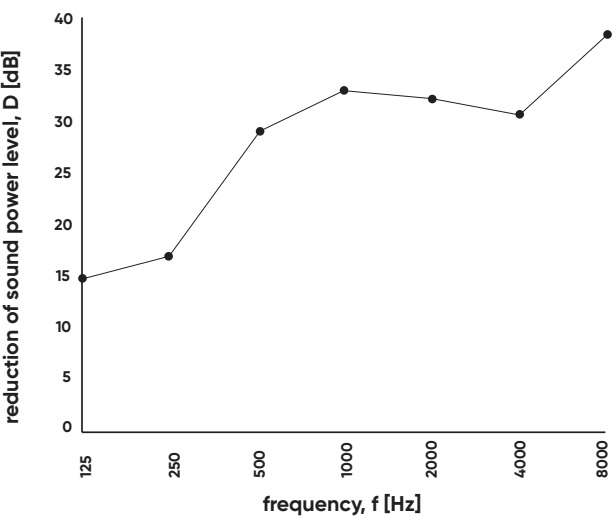


# comparison of Flathouse acoustic booths

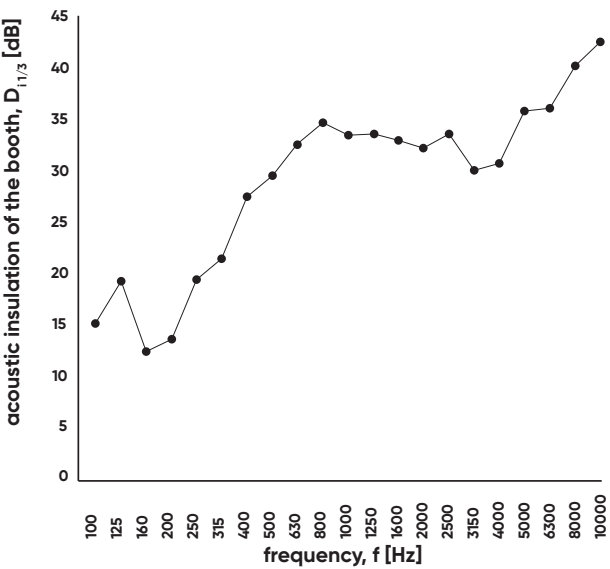
	FH 1	FH 2	FH 4	FH 6
<b>dimensions</b>				
external dimensions (width x height x depth)	1000 x 2290 x 1000 mm	2260 x 2290 x 1000 mm	2260 x 2290 x 1920 mm	2800 x 2290 x 2840 mm
internal dimensions (width x height x depth)	770 x 2030 x 895 mm	2030 x 2030 x 890 mm	2030 x 2030 x 1800 mm	2600 x 2050 x 2720 mm
<b>product weight</b>	351 kg – 400 kg (depending on version)	528 kg – 645 kg (depending on version)	908 kg – 1126 kg (depending on version)	1270 kg
<b>glass</b>				
available versions	G1 – glass on one side of the booth G2 – glass on both sides of the booth	G1 – glass on one side of the booth G2 – glass on both sides of the booth	G1 – glass on one side of the booth G2 – glass on both sides of the booth	G2 – glass on both sides of the booth
<b>ventilation</b>				
number of fans	2	4	8	12
airflow	70 m³/h	130 m³/h	260 m³/h	360 m³/h
<b>integrated lighting</b>				
yes	yes	yes	yes	yes
lighting intensity control	yes	yes	yes	yes
number of light points	1	2	8	12
activation	automatic – motion sensor	automatic – motion sensor	automatic – motion sensor	automatic – motion sensor
lighting type	led	led	led	led
brightness	216 Lm	2 x 216 Lm	8 x 216 Lm	12 x 216 Lm
power supply	12 V	12 V	12 V	12 V
light color	4000 K	4000 K	4000 K	4000 K
<b>multimedia panel</b>				
no	no	yes	yes	yes
prepared for 32" TV mounting; cable gland, cable pass-through	none	yes, option	yes, option	yes, option
touch panel for lighting and ventilation intensity control	yes, option	yes, standard	yes, standard	yes, standard
mediaport	yes, option	yes, option	yes, option	yes, option
<b>transport wheels</b>	yes, standard	yes, standard	yes, standard	no

# acoustic test results

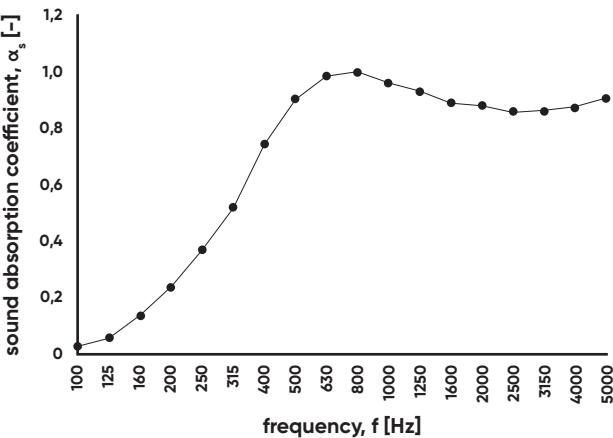
speech noise level reduction



weighted acoustic insulation index



Absorption of Flathouse external panels



Tested parameter	Speech level reduction $D_{S,A}$	Sound insulation performance of the booth $D_{p,W}$	Sound absorption coefficient $\alpha_w$
<b>Result for Flathouse acoustic booth</b>	26,4 dB <b>class B</b>	30 dB	0,65 (Mh)
<b>Recommended value</b>	$\geq 25$ dB	$\geq 28$ dB	$\geq 0,3$
<b>Explanation</b>	The higher the value, the less audible the conversation in the booth.	The higher the value, the better the external noise reduction.	The higher the value, the greater the noise and reverberation reduction in the room where the booth is.
<b>Standard</b>	ISO 23351-1:2020	PN-EN ISO 717-1:2021-06	PN-EN ISO 354:2005 ISO 20189:2018

**Test results for Flathouse FH 2T G2.**

**Bejot sp. z o.o.**

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