

**Espes 100**  
Partition Systems

**asset**  
space becomes place

**THICKNESS**  
106mm

**FRAME**  
Aluminium

**FINISHES**  
In all RAL colors  
/ anodization

**PANELLING**  
Laminated double glazing



**ACOUSTIC  
PERFORMANCE**  
up to 56 dB

# Espes 100

**Double Glazed High Acoustic Partition System.** ESPES 100 is a high-performance partition system that combines the transparency of a glazed solution with **exceptional acoustic insulation** and advanced mechanical performance.

Specifically developed for environments where visual openness must coexist with demanding acoustic requirements, the system delivers sound insulation of **up to 56 dB**, making it ideal for executive offices, meeting rooms and high-privacy workspaces.

Its **double-glazed** construction ensures superior sound control, while maintaining clean, transparent surfaces that enhance natural light and spatial continuity. The system supports a wide range of acoustic configurations, allowing precise adaptation to the specific needs of each project.

It offers complete design flexibility, enabling the integration of solid and glazed panels, as well as **advanced solutions** such as cable management, integration of screens or multimedia elements, and **smart glass applications (Lumi foil)** with variable transparency.

The result is a partition system that balances transparency, acoustic privacy and functionality, creating work environments that are both visually open and acoustically controlled.

ESPES 100 is also offered in a **Factory version**, allowing the integration of vertical and horizontal aluminium mullions to create structured partitions with a strong architectural identity. ESPES 100 Factory supports a wide variety of configurations, including combinations of **glazed and solid panels**, making it ideal for spaces that require both high acoustic performance and functional zoning. The mullion layout can be fully customized, enabling tailored solutions for complex and high-demand environments.





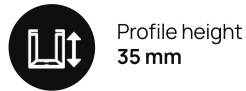
# Acoustic Performance

GLASS	R <sub>w</sub> (dB)	C (dB)	Ra1 (dB)
VSG 44.2 + VSG 55.2	43	-1	42
VSG 44.2 + VSG 66.2	44	-1	43
VSG 44.2 + VSG 66.2 Si	47	-2	45
VSG 55.2 + VSG 66.2	50	-2	48
VSG 66.2 Si + VSG 88.2 Si*	53	-2	51
VSG 66.2 Si + VSG 88.2 Si**	56	-2	54

# Doors for System 100

PARAMETERS	Doors in HR aluminum frame	All-glass doors	Solid doors
R <sub>w</sub> acoustic rating	36 / 37 / 38 / 39 / 40 / 44 dB	24 / 32 / 38 dB	32 / 37 dB
Ra1 acoustic rating	35 / 36 / 37 / 38 / 39 / 42 dB	24 / 30 / 37 dB	30 / 35 dB
Max. height	3000 mm	2700 mm	3000 mm
Sliding variant	✓	✓	✗
Access control	✓	✓	✓
Concealed hinges	✓	✗	✓
Concealed door closers	✓	✗	✓
Lumi foil	✓	✓	✗





# Technical Details

The partition frame is constructed from extruded aluminium profiles, designed to support **double-glazed units** while ensuring high structural stability and acoustic performance.

The **increased system depth** allows for the integration of multiple glazing combinations, significantly enhancing sound insulation.

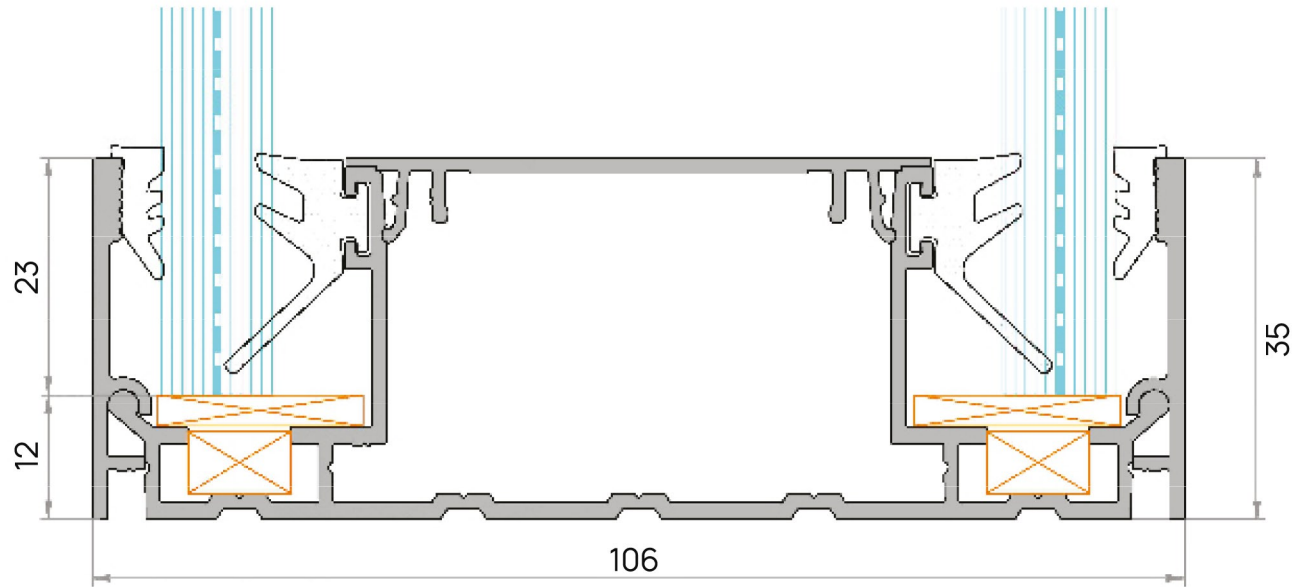
Glazing units are installed within the frame using advanced fixing systems and acoustic sealing elements, ensuring **airtight connections and minimizing sound transmission**. Depending on the selected glass configuration, the system can achieve acoustic ratings up to **Rw 56 dB**.

Special **acoustic inserts are applied along the perimeter** and at glass joints, further improving sound insulation and ensuring consistent performance across different system configurations. The system maintains a consistent aesthetic across different acoustic levels, allowing seamless transitions between spaces with varying privacy requirements, without compromising design coherence. ESPES 100 supports a wide variety of **configurations**, including:

- Full-height double-glazed partitions
- Aluminium framed, all-glass or solid doors
- Sliding door options and access control integration
- Concealed hinges and door closers for a clean architectural result

Additionally, the system allows optimized module dimensions to **reduce production waste** (ZeroWaste concept), while remaining fully adaptable to complex architectural layouts.

# Cross Section



# 3D depiction



System 100



System 100 Factory

