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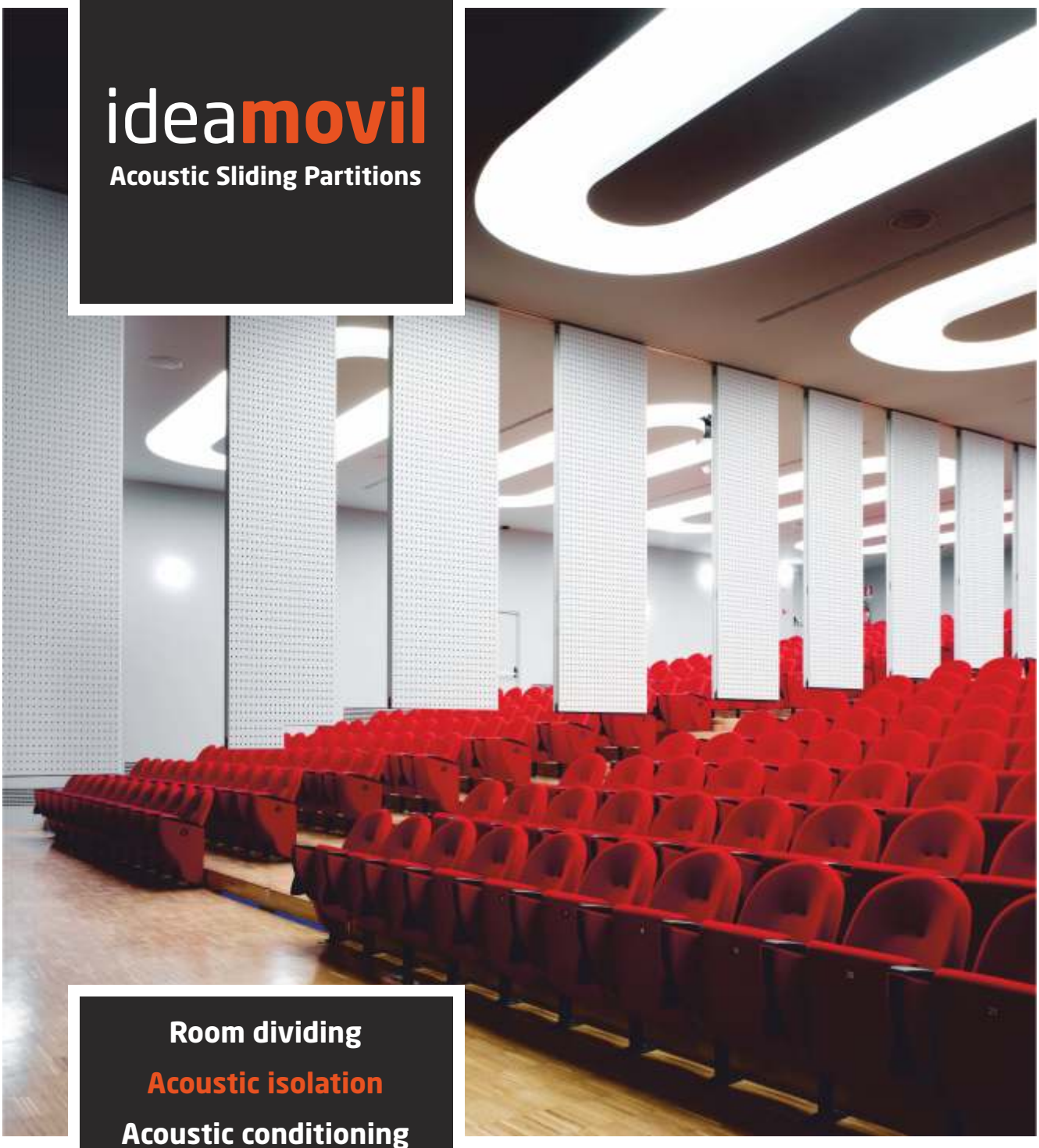
Acoustic Sliding Partitions



Room dividing

Acoustic isolation

Acoustic conditioning

Adaptable to any decor

Mobility - Easy handling

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advanced acoustic solutions

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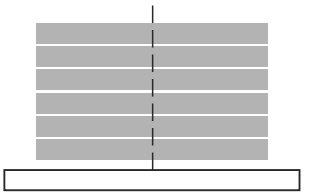
The best solution for physical and acoustic separation of multipurpose rooms.

Operable walls consist of individual interlocking panels suspended from an overhead aluminum track, which is attached to the upper slab, steel or concrete beam or other structural elements. Panels are top supported and no floor track is required.

Unidirectional panel system

Unidirectional panels move in a single direction along the track, and they are suspended from a central point by a single carrier with four self-lubricated bearings. When designing the supporting structure it must be taken into account that, although the storage of the panels is usually done at the ends of the track, the full weight of the panels may be concentrated in the middle of the track.

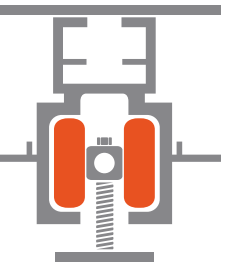


Example of panel storage for **unidirectional systems**

Acoustic isolation **Standard** **Fireproof** **Waterproof**

Tracks and bearings in **unidirectional and omni-directional systems**

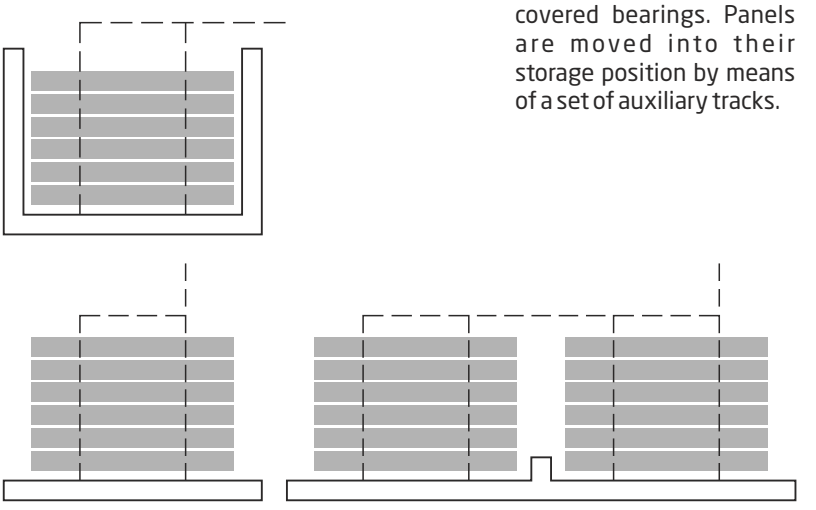
Unidirectional (One-way) system. Provided with a single one-way track, from which the individual panels are suspended from a single trolley with four self-lubricating vertical bearings. Panel storage can be located anywhere along the track.

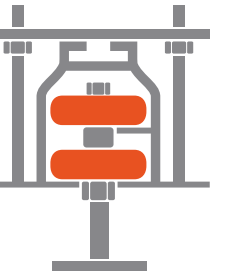


Omni-directional panel systems

Omni-directional panels move along the track supported by two carriers for each panel. Each carrier has two horizontal counter-rotating wheels with high density self-lubricated polymer covered bearings. Panels are moved into their storage position by means of a set of auxiliary tracks.

Omni-directional system. Provided with main and secondary omni-directional tracks, from which individual panels are suspended from two sets of self-lubricating polymer horizontal bearings. Panel storage can be located anywhere along the auxiliary tracks.





Examples of panel storage for **omni-directional systems**

Plywood

MDF

Compact fenolic

Melamine

Real wood veneer

HPL coating

RAL painting

Technical data

Tracks. Tracks are made of anodized or lacquered aluminum, and they are hung from concrete or metal structural elements through steel plates and brackets, equipped with mechanical leveling elements.

Panel types. Standard panel, panel with lateral expanding jamb closure, panel with single leaf door (800 or 900 mm; 2' 7-5/8" or 2' 11- 5-5/8"), panel with double door (1200 mm; 3' 11-7/16"), "T" panels, "L" panels and "+" panels.

Panel structure. Self-supporting frame made of aluminum profiles reinforced with steel bars and brackets.

Bearings. Self-lubricating polymer bearings. Unidirectional panels are suspended from a central point by one four-wheel carrier. Omni-directional panels are suspended from two carriers, each of them comprising two horizontal counter-rotating wheels.

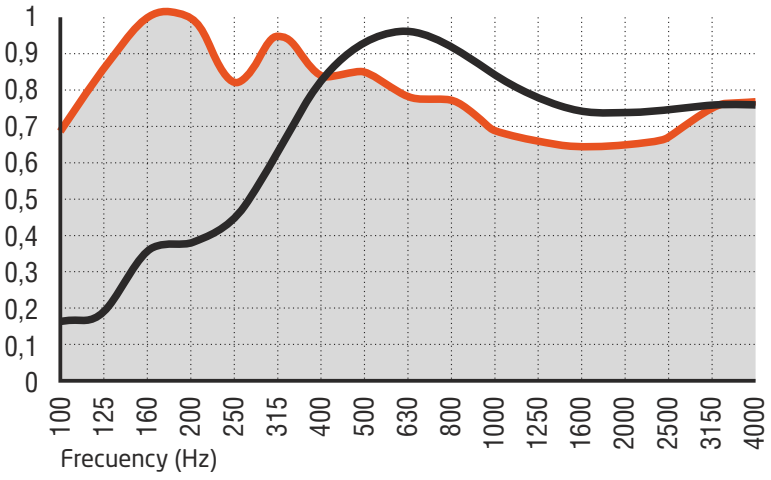
Finishes. Panel faces are made of chipboard or MDF, either standard or fire resistant. Optional finishes include: PVC, melamine, wood veneer, high pressure laminate, fabric, etc.

Sound insulation:
35 / 51 dB(A) depending on the type of partition you request.

Weight:
45-50 Kg/m². (1067-1186 lb/ft²)

Dimensions:
Standard heights: up to 6.000 / 8.000mm (19' 8-3/8" / 26' 3-3/16"
Width: 600 to 1230 mm (1' 11-5/8" to 4')
Thickness:
Panels with visible vertical aluminum trims: 84 and 103 mm (3-3/8" and 4-1/8").
Panels with hidden vertical aluminum trims: 116 and 135 mm (4-5/8" and 5-3/8")

Absorption coefficient for Ideacustic 8



Fixing and locking system

Locking of the panels is achieved through retractable top and bottom seals, which are activated by a removable operating handle inserted in the panel edge. Seal activation requires a 180º turn of the handle. The end panel of each partition is equipped with top, bottom and lateral retractable seals that are operated by turning the removable operating handle inserted in the front of the panel. This ensures complete acoustic sealing of the partition.

Finishes

According to customer requirements. The most common are: Wood veneer, vinyl (PVC), high pressure laminate, melamine, painted or varnished MDF boards, etc...

Boards can be fireproof, waterproof or phenolic, depending on customer requirements.

Standard melamines

Standard wood veneer panels

noise under control

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