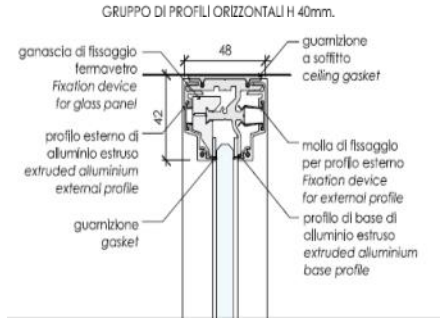
SLIMBOX

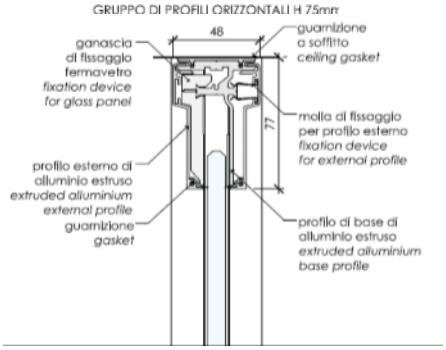
Article: SINGLE PLATE PARTITION WALLS - STRUCTURE

SlimBox is a system of indoor, full-height or self-supporting, partially or completely solid partitions that are equipped with integrated mobile storage units (Combi) and with systems of easily equipped glass panels (shelves, containers, curtains).
The structure consists of extruded aluminium forming groups of horizontal profiles which run between the glass panels, attached by means of special mechanical glass mountings.

PROFILES

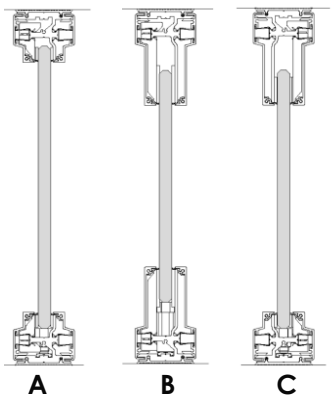
The structural profile horizontal support is made in extruded aluminium, 75mm or 40mm high.
Inside the base profile are the rotation-proofing controls for the glass plate levellers and the attachments of the connecting elements, while the two lateral zones support the snap-on harmonic steel springs that securely lock the finishing profiles and the glass clamps.
There are two seals attached to the external profiles of finishing which stabilize the profile itself against the glass plate and contribute to sound-proofing.
“Metal glass holder clamps" are used for fastening the glass plates to the base profile. These use a "gripping" movement to ensure secure locking of the glasses.
These clamps grip the base profile by using screws that securely lock the glass plate in place.
The external finishing profiles are also connected to the base profile. These are the only horizontal section profiles to be finished (polished, anodized or painted).
The finishing casing, made of extruded aluminum is securely but reversibly locked, with the harmonic steel springs that snap onto the base profile.





HEIGHT ADJUSTMENT

Thanks to being able to make timely adjustments to each single glass panel, SlimBox is able to adapt to any type of construction site.
Its adjustment depends on the type of horizontal profile in use, and by the combined use of the same.
When using the 40mm high horizontal profiles, the height adjustment results being from -10mm to + 8mm (equivalent to 18mm absolute adjustment.)
When using the horizontal profiles from 75mm high, there is a height adjustment of ± 22mm. (absolute adjustment equal to 44mm).
However, if, for aesthetic reasons, it is necessary to have the minimal horizontal profiles such as the 40mm. high ones, but the site does not allow their use, then it is advisable to use the 40mm high section at the ground level and use the 75mm. one up to the ceiling. This will provide a height adjustment of ± 16mm (absolute adjustment of 32mm).
The adjustment mechanism for the glass panes is accessible by removing of one of the external finishing profiles.
A appropriate metal and plastic leveller allows for micrometric adjustments in the height of the glass plates.



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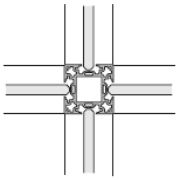
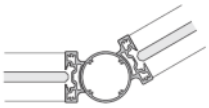
CORNER JOINTS
The system is also equipped with two-, three-, four-way and "structural" corner joints. These corner joints, actually real rods, give the whole system a very architectural look, restoring the wall to its primary vocation, that of dialoguing directly with the architectural structure into which it is inserted.
The structural corner joints are "dematerialized" at the intersection of the axes of the sections to which they belong, ie. they are free of material where the sections would find their meeting point. This not only contributes to visual airiness of the whole system, it gives an "architectural" rhythm to sections of corridors by making the offices in the background recognizable.
However, there are “thin" corner joints, ie. fully glazed joints from floor to ceiling with aluminium profiles on the floor and ceiling that in turn form, two-, three- and four-way joints.
In this case at the edge of the joint there is an aluminium profile of the same thickness as the glass which connects the glass plates of the joint in question.

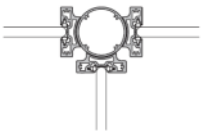
Nodo 90° a 4 vie
4 way 90° connector

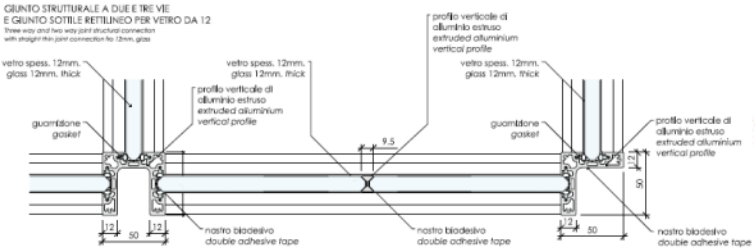


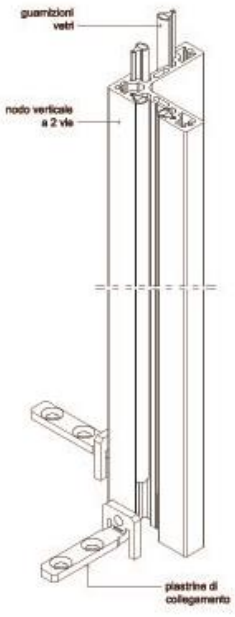
Nodo variabile (da 180° a 85°)
Variable corner connector (from 180° to 85°)



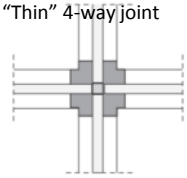
Nodo variabile a 3 vie
3 way variable corner connector

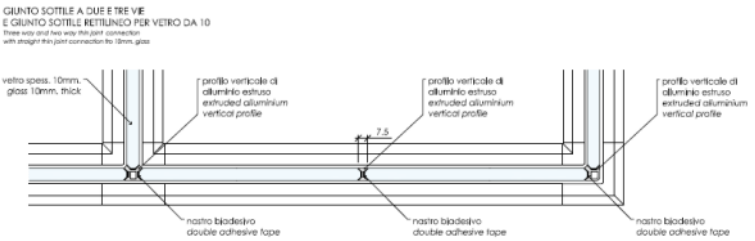






Giunto “sottile” a 4 vie
“Thin” 4-way joint





WALL CONNECTION
The wall connection is a group of telescopic vertical profiles able to mount the glass panels on the surface.
This is possible thanks to the complete disassembly of the item equipped with an external snap-on cover that can enclose the glass once it is in position.
The profile connected to the wall moves telescopically with respect to the one connected to the glass panels, the total adjustment is 12mm.

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Article: SINGLE PLATE PARTITION WALLS - PANELS

PANELS

Thanks to the peculiarities already described on the base profile, SlimBox appears to be, from a glass usage point of view, an entirely scalable product, ie. able to accommodate more than one type of glass.

GLASS:

The glass available for Slimbox:
- 10 and 12 mm thick tempered glass
- 5 + 5 and 6 + 6 mm thick transparent layered glass, with 0.38 mm thick PVB inner sheet
- 10 and 12 mm thick transparent tempered glass with silkscreen inserts (only for sections "B")
- 10 and 12 mm thick frosted tempered glass

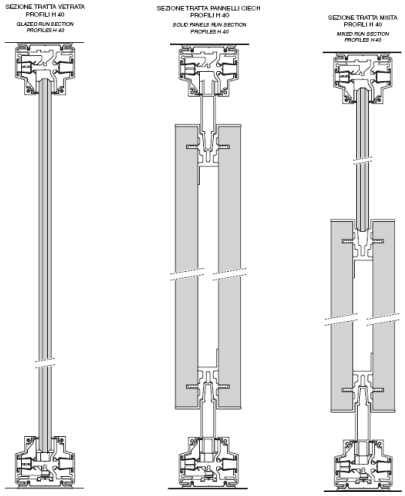
The glass elements are joined together thanks to *aluminium profiles*.
In this way a perfect collinearity of the elements and a correct sound-proofing of the environments is obtained.

LAMINATED - LACQUERED - WOOD:

LAMINATED - LACQUERED - WOOD:
The solid sections are made with 18 mm thick sandwich particle board panels laminated with melamine or the 6 / 10 thick veneered finishes provided.
The panels are edged top and bottom with aluminium profiles.
The total thickness of the sections with solid panels is 54 mm.

The panels are edged top and bottom with aluminium profiles.
The ceiling panels are inserted in the structural elements thanks to a horizontal aluminium rib. The system ensures quick installation and adjustment, the solidity of the structure and the easy transformation of the wall, in case the lay-out needs to be changed.

Mixed sections (H213 and H 88 mm) may have a different finish on each side.



SIZES

W: per section
D: 4.8/5.4 cm
H: variable 210÷310 cm

FINISHINGS

Upper-lower profiles: aluminium *(Anodised, Polished, Painted UE White)*
Internal profiles: aluminium
Panels
Glass *(transparent, frosted, silkscreened)*
Laminated *(UE White, Oak, Dark Oak, Sucupira texture, Delavè texture, Comfort texture, Magnolia, Titanium, Silver).*
Lacquered *(UE White, Titanium, Pearl Gray, Silver, Brown, Amaranth, Alfa Red, Orange, Azure, Cedar)*
Wood *(Magnolia, Maple, Oak, Barrel Oak, Black Walnut, Mahogany, Dark Oak, Brown African Zebrawood, Ebony)*

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Article: SINGLE GLASS PLATE DIVIDING PARTITION - DOORS

TYPES, DOORS, HINGES, HANDLES

The types of SlimBox doors are the following:
- Hinged doors with single or double door with single-plate glass, fabric-laminated glass and solid.
- Sliding doors with single or double door with single-plate glass and fabric-laminated.

The doors are equipped with a standard European cylinder lock, easily accessible and removable for maintenance purposes.
Using a European cylinder allows for organising a “master key” in a lay-out on one or more floors.
The standard lock makes it possible to use the handles equipped with mounting clips found on the market so that handles can be chosen according to the client’s taste.

The door **hinges** used are cast in Stainless Steel AISI 304 and attached at the ends of the door frame uprights.
The latter, in contact with the floor, allow the hinge to discharge all the weight of the door directly onto the floor itself and not on the upright which would result in stress forces that would invalidate its stability.
The hinges are equipped with three-dimensional adjustment.
Perfect positioning of the door is guaranteed since the vertical uprights of the door frame arrive on site longer than the recorded measurements. They are then trimmed according to the actual measurements and fixed to the horizontal parts by means of plates fixed in slots. (If necessary, it is possible to bolt the uprights directly to the floor).
This guarantees doors that are perfectly integrated with the architectural work, with the door located inside the door frame thanks to the three-dimensional adjustment of the hinges.
The rotation of the hinge elements takes place on a steel-alloy bearing that ensures its smooth functioning and durability.
For **sliding doors**, the sliding mechanism is a profile of drawn steel, nitrided at high rigidity and surface hardness, guaranteeing optimum ease of movement over time.
Two carriages slide on this profile with 5 with double ball bearings in treated steel, equipped with lubrication on board.
The sliding profile allows for height adjustment and adjustment of the rotation along the axis of the profile so as to keep it as straight as possible.
This ensures optimal use of the sliding door even in the presence of ceilings that do not allow a perfect positioning of the aluminium profile where the sliding profile is attached.
The door is then fastened on trolleys by means of the fastening screws on the top rail.
The lower part of the door is guided by a register attached on the sliding side of the upright and during the closing phase, another register guides the door to the resting position in perfect alignment with the door jamb.

Wing Door W100 | Wing Door W200 | Sliding Door W120 | Sliding Door W200

SIZES

W: 100/120/200 cm

D: 4.8 cm

H: variable 210÷310 cm

FINISHES

Doors

Glass *(transparent, frosted, silkscreened)*

Laminated *(UE White, Oak, Dark Oak, Sucupira texture, Delavè texture, Comfort texture, Magnolia, Titanium, Silver)*

Lacquered *(UE White, Titanium, Pearl Gray, Silver, Brown, Amaranth, Alfa Red, Orange, Azure, Cedar)*

Wood *(Magnolia, Maple, Oak, Barrel Oak, Black Walnut, Mahogany, Dark Oak, Brown African Zebrawood, Ebony)*

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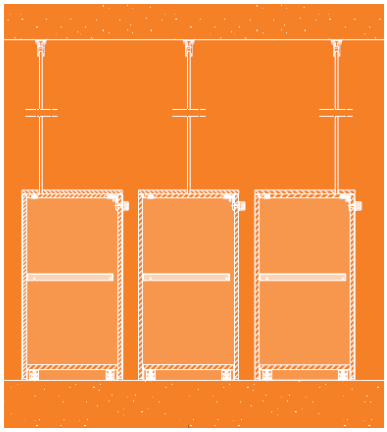
Article: DIVIDING WALL

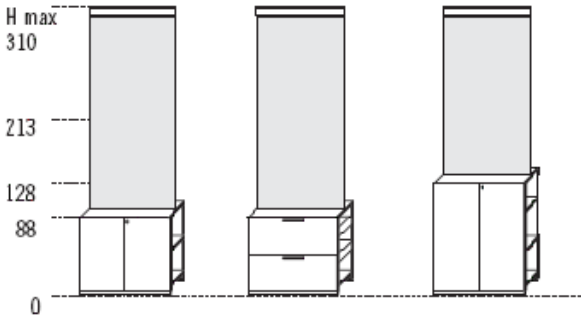
TYPES OF COMBI GLASS PLATE HOLDER

The storage units of the Combi system are designed as two-sided modules, finished front and rear, to be integrated into the structural components of the wall system.
The glass plates, embedded in the sides and in the top, create an original alternation of full and empty spaces, transparencies and volumes.
The depth of the cabinet can be distributed symmetrically or asymmetrically, without compromising the internal capacity.



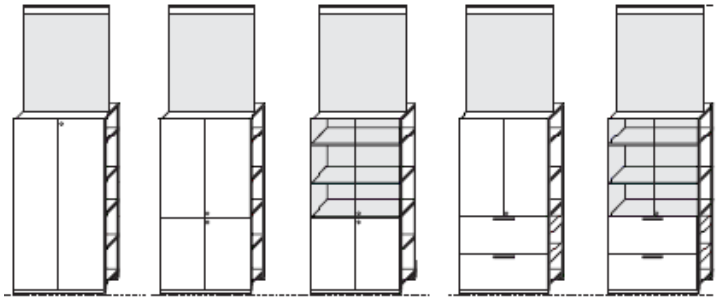
TECHNICAL FEATURES

Tops, doors and back are made with particle board panels laminated with 1.8 cm thick melamine or veneered wood essence with PVC or 1 mm thick essence on all four sides;
Intermediate side, top and bottom panels are made of particle board, 2.2 cm thick melamine with a rigid co-extruded edge and 1 mm thick soft seal;
End panel formed by two panels made of coupled particle board (12 mm + 18 mm) total thickness 30 mm. Melamine finished internally, while the outside is in melamine or wood.



Base
H88 W100

Base
H128 W100



Base
H213 W100

SIZES

W: 100 cm

D: 4.8/46.2 cm

H storage units: 88-123-213 cm

FINISHES

Glass *(transparent)*

Laminated *(UE White, Oak, Dark Oak, Sucupira texture, Delavè texture, Comfort texture, Magnolia, Titanium, Silver)*

Lacquered *(UE White, Titanium, Pearl Gray, Silver, Brown, Amaranth, Alfa Red, Orange, Azure, Cedar)*

Wood *(Magnolia, Maple, Oak, Barrel Oak, Black Walnut, Mahogany, Dark Oak, Brown African Zebrawood, Ebony)*