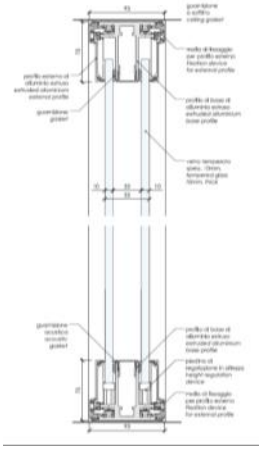
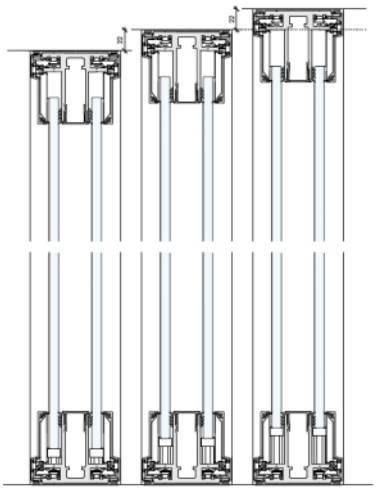
Article: DOUBLE GLASS PARTITION

Double glass plate partition wall is characterised by its minimal but strongly aesthetic structure. It has an aluminium structure, conceived to support two glass plates adjacent to each other.
The thickness of both the vertical and horizontal profiles is 95 mm.
The particularity of the partition is that the distance between the external surfaces of the glass plates is 55mm. This makes the system exceptionally airy visually, without sacrificing the solidity of the vertical and horizontal elements that guarantee its strength while remaining within a minimalist design.
The wall is equipped with rectilinear joints between the glass plates, which are independent of each other. Therefore they do not form one single profile between one glass panel and another, an aspect which contributes greatly to obtaining the airiness typical of the double glass partitions without vertical uprights.

STRUCTURE
The profile of the horizontal support structure is 75 mm high. It is made of extruded aluminium and its particular shape allows it to house all the functional horizontal elements.
Internally the base profile controls the anti-rotation of the glass levellers and the fastening of the connection elements, while the two lateral zones support the snap-on harmonic steel springs that securely lock the finishing profiles and the glass holding clamps.
The special coextruded seals, inserted directly into the base profile, guarantee the perfect seal, thanks also to the particular multi-contact section that prevents the sound waves from passing from one glass plate to another.
In addition to these seals there are two others attached to the external profiles of the finishing, that, besides stabilising the profile itself against the glass plate, contribute to its acoustic performance.
For fastening the glass plates to the base profile, “metal glass holder clamps” are used. Using a “grip” movement, these ensure that the plates are securely locked in place. Special seals are placed between the glass and the metal parts which also allow for applying glass plates of different thicknesses.
The finishing casing, made of extruded aluminium, with the harmonic steel springs that snap on the base profile.



REGULATING HEIGHT
Thanks to being able to make timely height adjustments on every single glass panel, SilentBox adapts itself to any type of building site and it permits an adjustment of ± 22mm.
The adjustment mechanism for the glass is accessible by removing on of the finishing profiles.
A special metal and plastic leveller permits the micrometric adjustment of the heights of the glass plates.



Article: DOUBLE-GLASS PARTITION - STRUCTURE

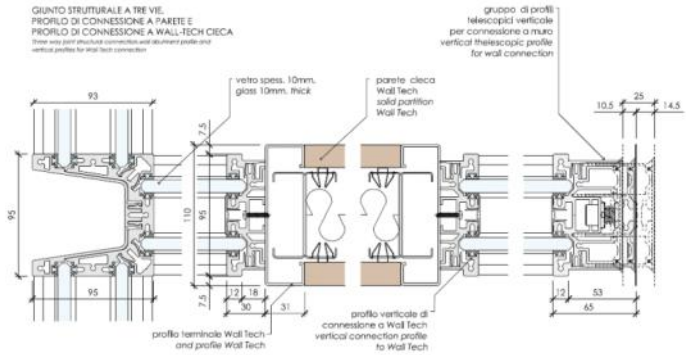



JOINTS

The system is also equipped with two- and three-way “structural” corner joints which allow inserting lights into the glass panelling and which are also (like the rest of the profiles) provided with soundproofing seals.

These corner joints, real poles, give the whole system a very architectural look, restoring the partition to its primary purpose, that of dialoguing directly with the architectural product into which it is inserted. The structural corner joints are “dematerialised” in correspondence with the intersection of the section of the axes they are found on. That is, they are free of material in the section where they have their meeting point.

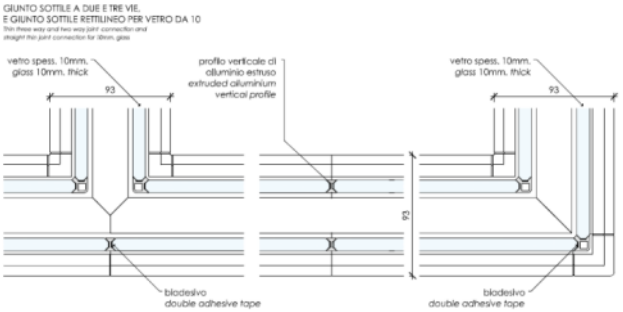
Besides contributing to the visual airiness of the entire system, this gives an “architectural” rhythm to sections of the corridors.

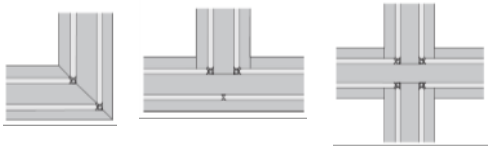


However, there are **“narrow”** corner joints, ie. floor-to-ceiling glass joints with aluminium profiles from floor and to ceiling that form in turn, two-, three-, and four-way joints.

In this case, at the edge of the joint there is an aluminium profile having the same thickness as the glass plates it connects in the joint in question.

There are also **“narrow”** two-, three-, and four-way **cornerless** corner joints.





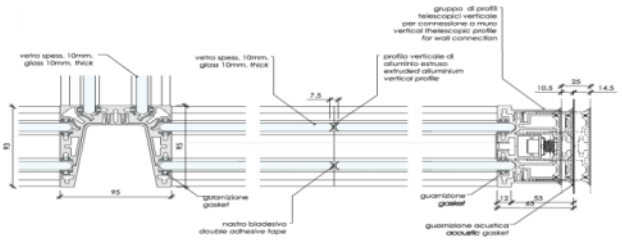
WALL START

The wall start is a group of telescopic vertical profiles where it is possible to mount the fixed glass panels.

This is possible thanks to the complete modular disassembly of the element, thanks to external snap-on covers that surround the glass once it is in position.

All the profiles in contact with the glass plate are equipped with a sound-proofing seal.

The profile connected to the wall moves telescopically with respect to the one connected to the glass panels, with a micro-metric adjusting mechanism thanks to an adjusting “stud bolt” type mechanism. Total adjustment is 25 mm.



SILENTBOX

Article: DOUBLE GLASS PARTITIONS - PANELS

PANELS

Thanks to the peculiarities already described in the base profile, SilentBox appears to be, from a glass usage point of view, a product that is completely scalable, ie, able to accommodate more than one type of glass.

The system, in fact, was created to use 8 mm, 10 mm, and 12 mm thick sheets of tempered or laminated glass; each of these various thicknesses with 0.38 mm PVC sound-proofing.

This allows the use of different thicknesses on the same section of glass which, thanks to the differences in the mass the sound must cross, will have a greater ability to reduce the energy in play, in favour of greater acoustic comfort.

GLASS:

Glass available for Silentbox:

- 10 and 12 mm thick tempered glass
- 5+5 e 6+6 mm thick transparent glass, laminated with 0,38 mm thick sheet of PVC between
- 10 e 12 mm thick transparent tempered glass with silkscreened inserts (only for section “B”)
- 10 e 12 mm frosted tempered glass.

The glass elements are joined together thanks to *aluminium profiles.*

In this way the perfect collinearity of the elements and a correct soundproofing of the environments is achieved.

SIZES

W: per section
D: 9.3 cm
H: variable 210÷310 cm

FINISHES

Upper-lower profiles:
aluminium *(natural anodized, polished, varnished UE white)*
Internal profiles: aluminium

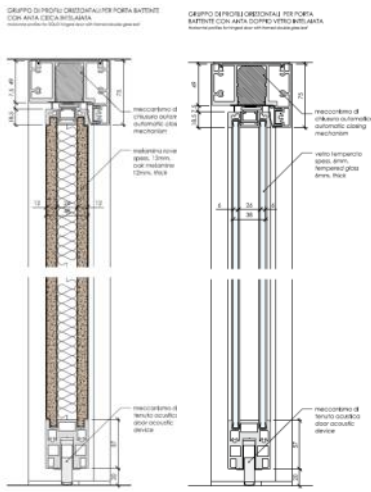
Panels

Glass *(transparent, transparent soundproof, frosted, silkscreened)*

Article: DOUBLE GLASS PARTITION - DOORS

DOOR TYPES

The type of door used on the system is a swing door with double glass plates in a tubular frame, with an automatic area closing mechanism and a soundproofing seal system on the lower crosspiece of the door.
Each door has standard lock with a European cylinder that is easily removable and accessible 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 the most suitable handles for the user’s sensibility can be chosen.
The pump for closing the area is attached to the horizontal profile attached on the door frame and via an arm that is only visible when opening and closing. It guides the door automatically, slowing the door in the last phase to avoid violent closure.
This closing mechanism allows locking the door open or at 90° or 105° through an overrun movement that facilitates the locking.



HINGES

The door hinges used are micro-fused in Stainless Steel INOX 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 can be adjusted in three-dimensions: the wing doors can be moved back and forth, from right to left, and up and down. 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).

SIZES

W: 100/120 cm

D: 4.8 cm

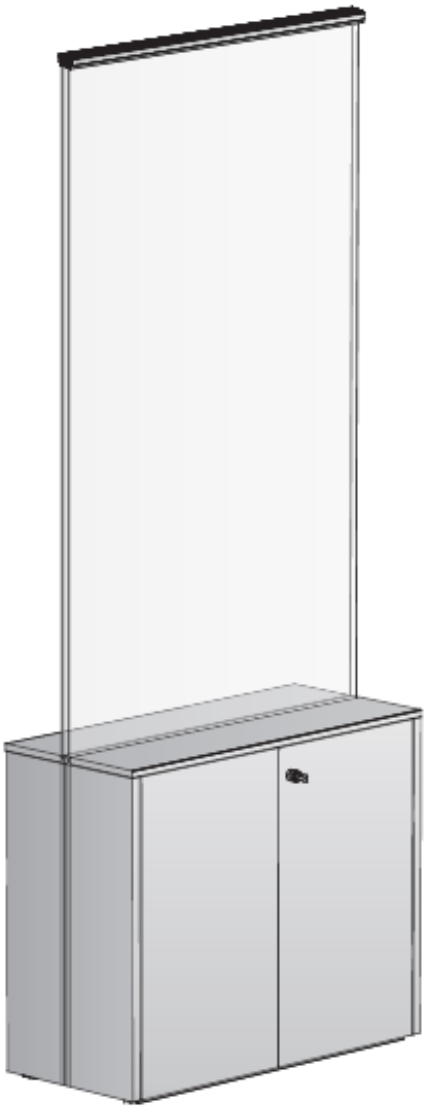
H: variable 210÷310 cm

FINISHES

Glass *(transparent, frosted, silkscreened)*
Laminated *(UE White, Silver, Titanium, Magnolia, Oak, Dark Oak, Sucupira texture, Delavè texture, Comfort texture)*
Lacquered *(UE White, titanium, Pearl Gray, Silver, Brown, Amaranth, Red Alfa, Orange, Azure, Cedar)*
Wood *(Magnolia, Maple, Oak, Barrel Oak, Black Walnut, Mahogany, Dark Oak, Brown African Zebrawood, Ebony)*

SILENTBOX

Article: PARTITION

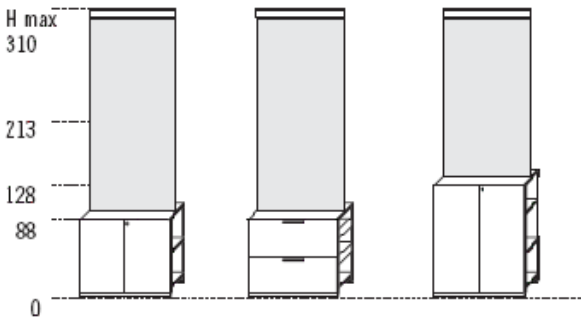


TYPES OF COMBI GLASS PLATE HOLDER

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.

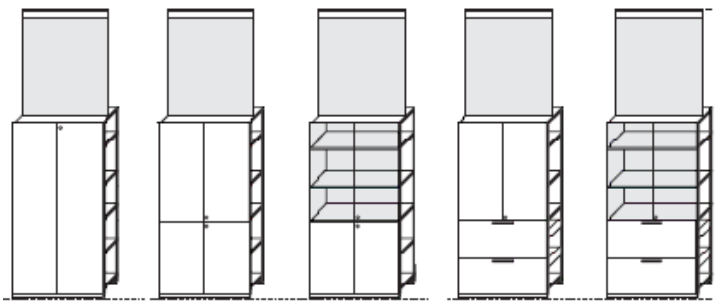
TECHNICAL FEATURES

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

FINISHED

Glass *(transparent)*

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

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)*