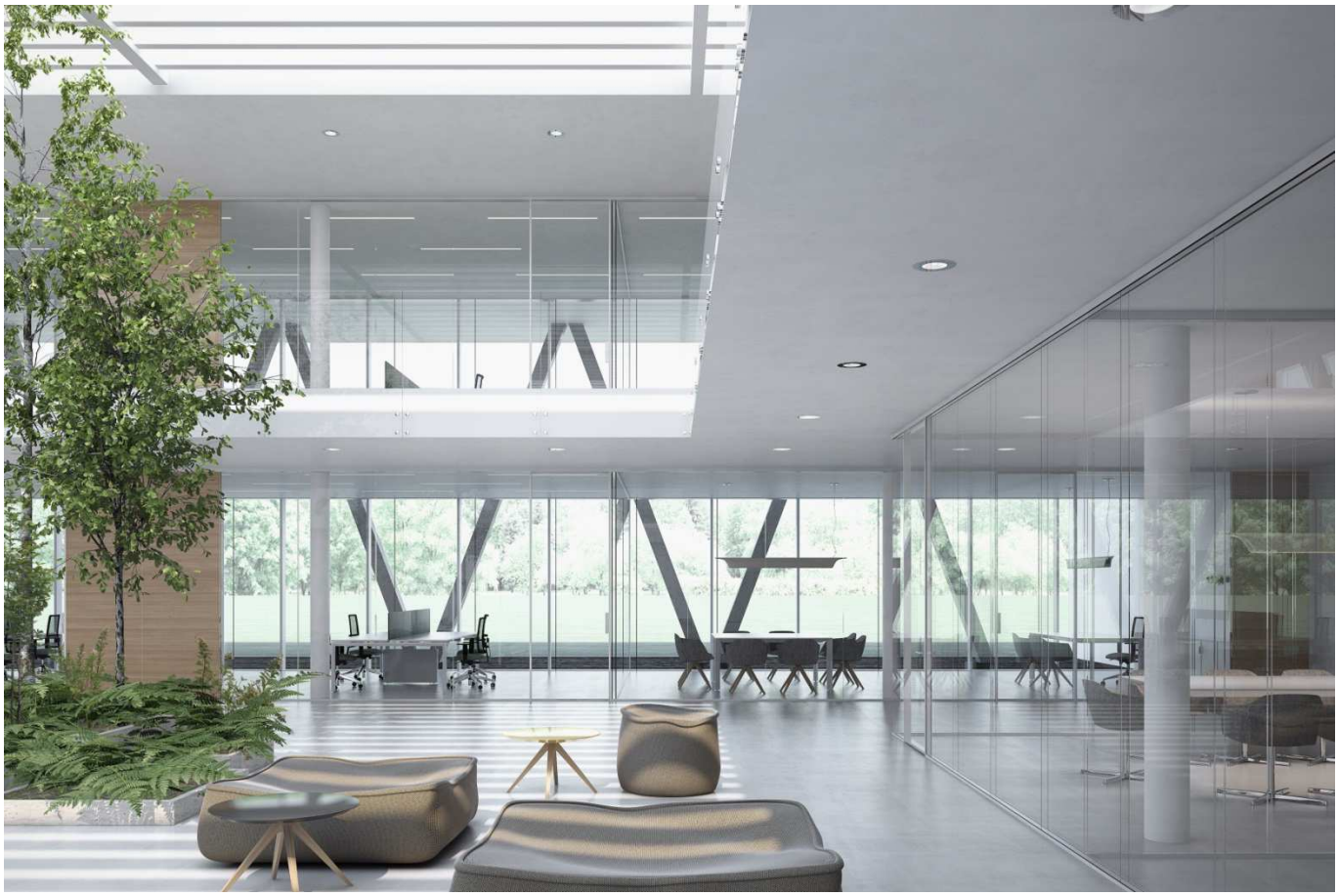
ETRA
PARTITIONS

Shape and trasparence



Main features:

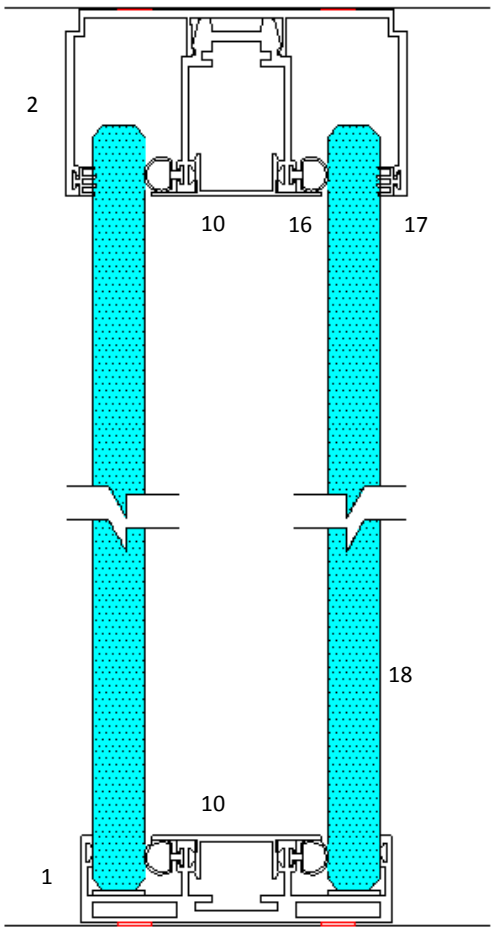
- Light and stylish
- Sustainable
- Easily reconfigurable
- Transparent
- High acoustic performance
- New doors family flushed to the wall, sliding

INDEX:

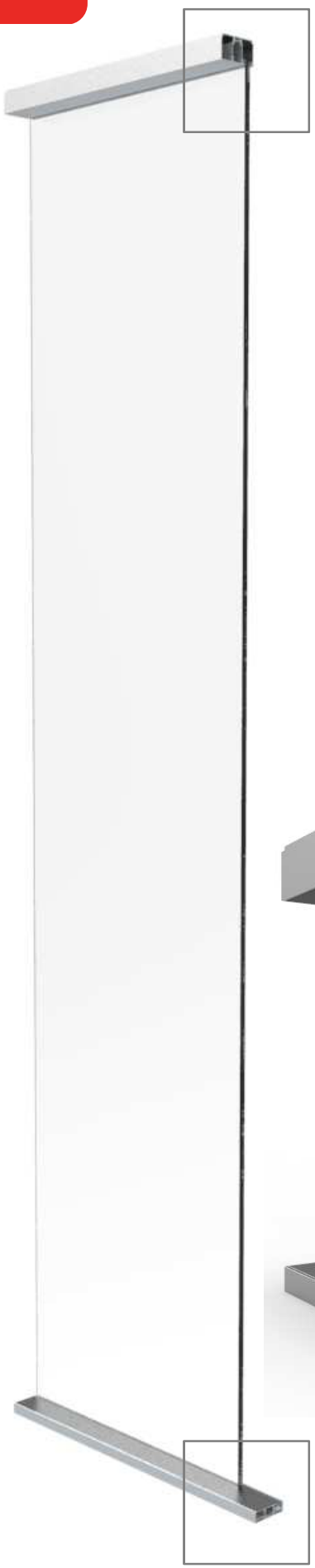
1_DOUBLE GLAZED PARTITION

Double glazed panel

1 Aluminum bottom track, W 75 x H 20mm;
2 3-grooves aluminum top track, W 75 x H 45mm, screwed to the ceiling.
The section of this track was designed to guarantee a tolerance of ±10mm to each partitioning section.
Dedicated aluminum covers, clip-on fixing, close the groove/s which are not housing panels.
16-17- Plastic gaskets improve the acoustic insulation performances of the partitioning and guarantee the seal and stability of the partition. Gaskets are PVC free. Also bottom and top tracks are equipped with special seals on the sides in contact with floor and ceiling.
18 2 glazed panels, thickness 10-12 mm, positioned in 2 lateral grooves.

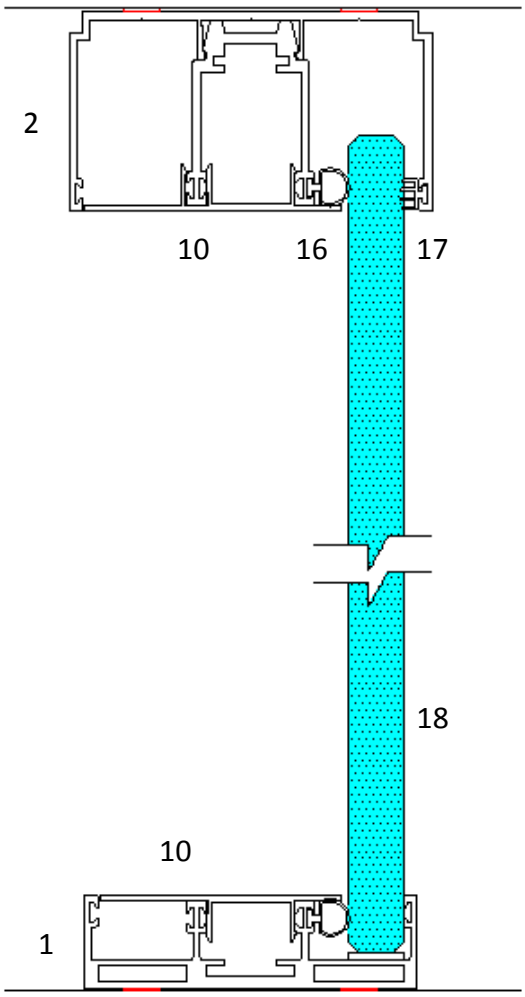


2_SINGLE GLASS PARTITION



Single glass lateral panel

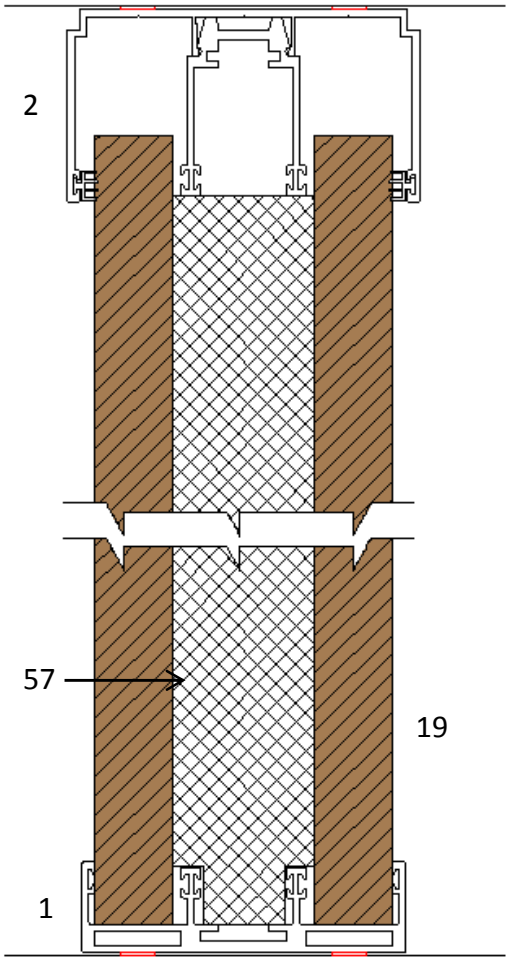
1 Aluminum bottom track, W 75 x H 20mm;
2 3-grooves aluminum top track, W 75 x H 45mm, screwed to the ceiling.
The section of this track was designed to guarantee a tolerance of ±10mm to each partitioning section.
10 Dedicated aluminum covers, clip-on fixing, close the groove/s which are not housing panels.
16-17- Plastic gaskets improve the acoustic insulation performances of the partitioning and guarantee the seal and stability of the whole. Gaskets are PVC free. Also bottom and top tracks are equipped with special seals on the sides in contact with floor and ceiling.
18 Glass panel, thickness10-12mm, positioned inside one of lateral groove.



3_SOLID PARTITION

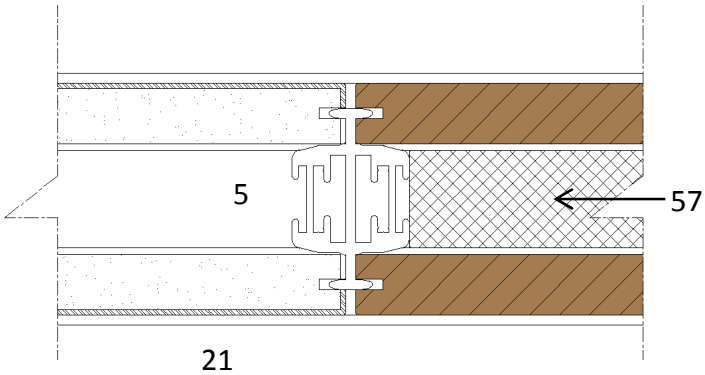
Solid panel vertical floor-to-ceiling panel

1 Aluminum bottom track, W 75 x H 20mm;
2 3-grooves aluminum top track, W 75 x H 45mm, screwed to the ceiling.
The section of this track was designed to guarantee a tolerance of ±10mm to each partitioning section.
19 Set of 2 solid panels, melamine or timber veneer finish, 18mm thick, positioned inside the 2 lateral grooves of the bottom and top tracks. The sides of the panels are milled on the whole length; the resulting slot allows the coupling between panels and vertical posts. The melamine panel is reversible since there are no cut outs or holes on both faces.
57 It's possible to include a high density Rockwool panel within the cavity in order to increase the acoustic performance.
The visible shadow-gap between 2 adjacent panels is very thin: 3mm.
Different finishes and materials can be chosen for the 2 opposite panels of the solid module.



Solid panel with metal covering
Fire Reaction Class 0

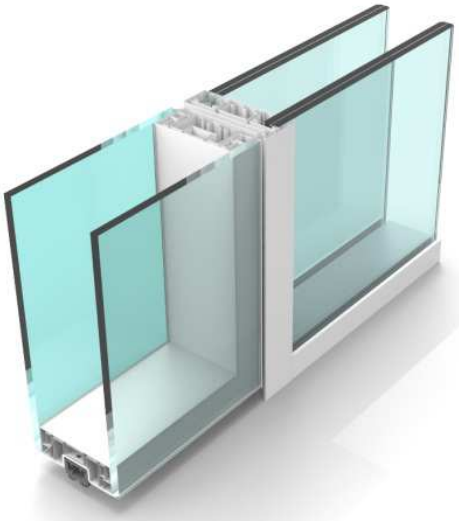
Module with metal covering and internal core made of gypsum. This panel concept represents an alternative to standard chipboard panels, needs the same supporting structure and can be used for every solid module typology (vertical floor-to-ceiling, horizontal, mixed panels). Gypsum panels with metal covering represent an high performance alternative, in fact they give no contribution to fire (Class 0).
5 Aluminum post for in-line junctions between solid panels (same profile is used as horizontal transom between solid panels).The post is also machined to allow an horizontal cable management.
21 Set of 2 panels, 18mm thick, positioned inside the 2 lateral grooves of the bottom and top tracks. Internal support made of gypsum, covered on all sides by a metal sheet. The sides of the panels are milled on the whole length; the resulting slot allows the coupling between panels and structure; the metal sheet is folded and perfectly covers the gypsum shape. Many different finishes can be adopted: steel or aluminum, natural or painted, with different texture and surface effects.
57 It's possible to include a high density Rockwool panel within the cavity in order to increase the acoustic performance.

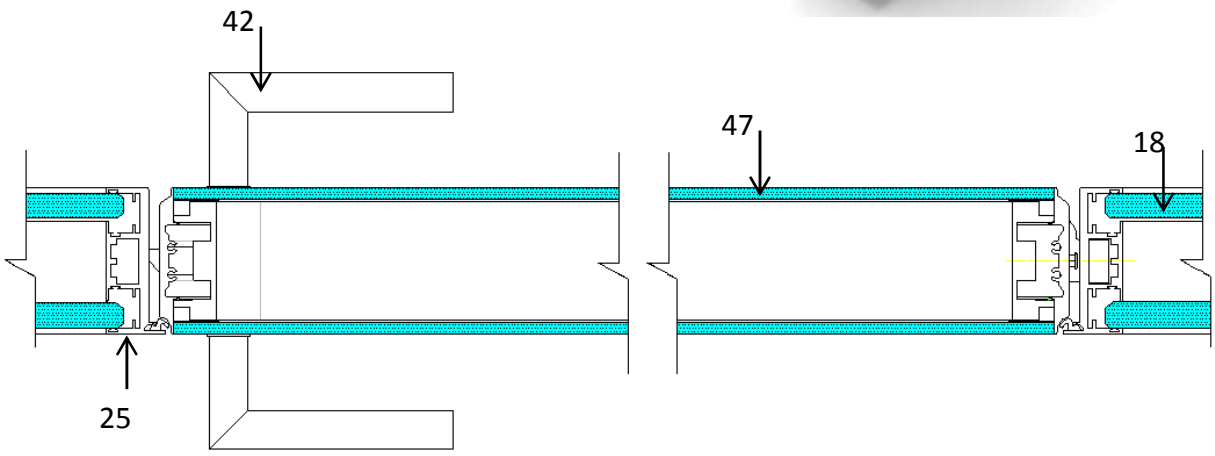


4_HINGED DOUBLE GLASS GLUED

Hinged double glass door flush to the partition 75mm thick

This kind of door perfectly flush to the partition is composed by 2 tempered glass, glued to the structure below. This solution ensure a high performance in term of acoustic isolation and also thanks to perimetric seal and automatic drop seal to the floor, and a good esthetic result with hinges completely hidden.
The aluminum frame (painted in the same color of the structure) is hidden by a perimetric serigraphy in RAL color on the glass.
18 Glass panels, thickness 10 - 12mm.
25 Structural post for hinged doors, in aluminum. For all hinged doors typologies.
42 Handle for hinged doors.(standard height: 90cm.)
47 Double glass door leaf (2 tempered glass panels, 6mm each, glued to the perimeter frame).

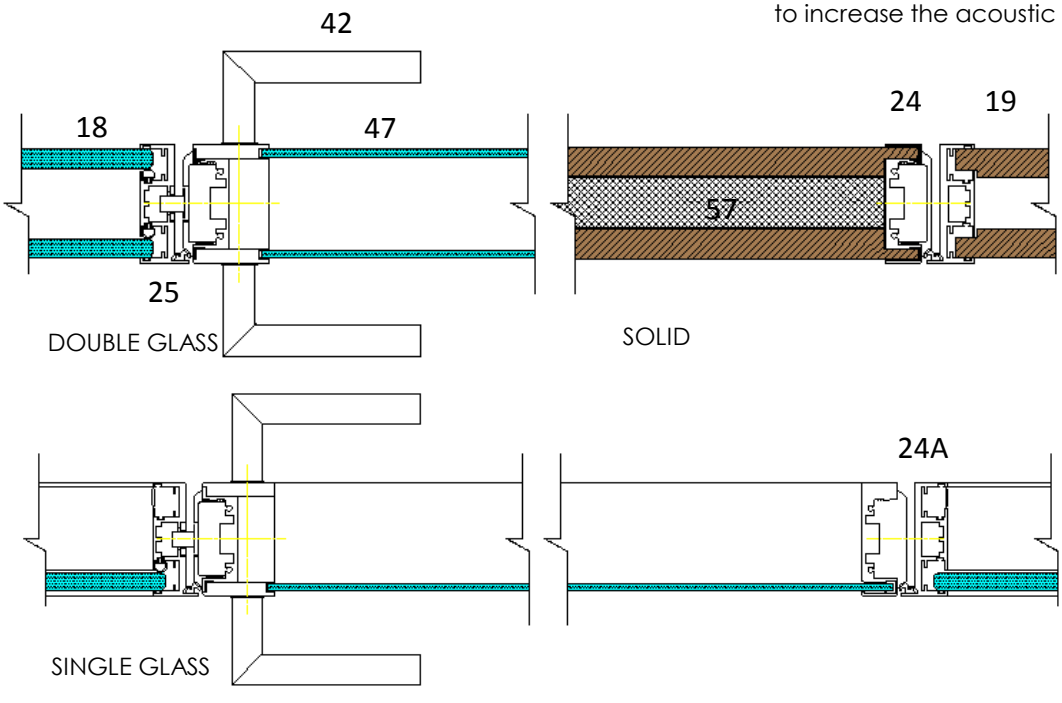


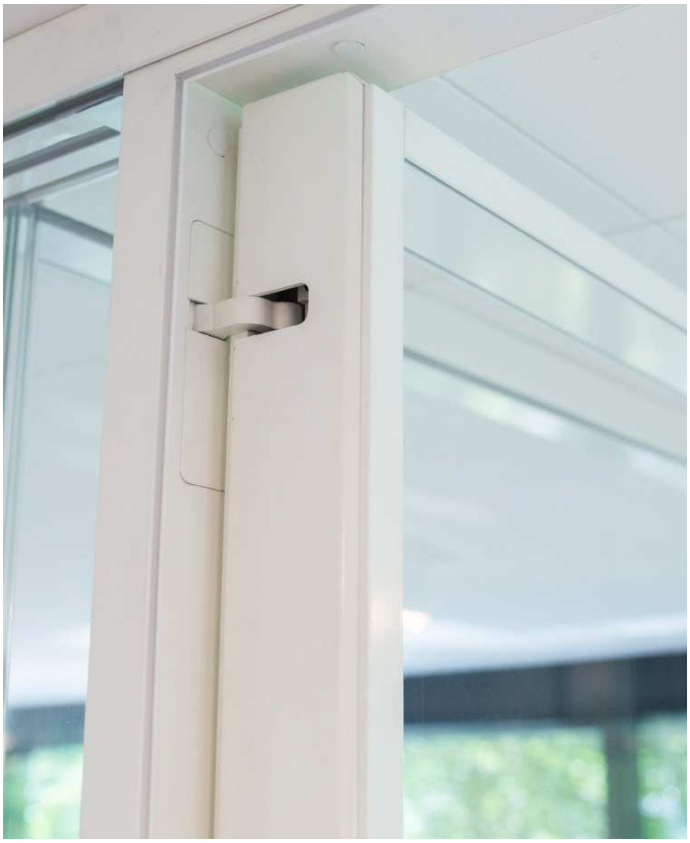


4_HINGED DOOR

Hinged door with perimetric frame, flush to the wall 75mm thick

This door is available in 2 versions: solid panel or double glass. Solid panels available in all melamine and timber veneer finishes 18mm thick. Glass panel available in toughened glass 5mm thick ,or in laminated glass 3+3mm. thick.; both versions are full-height from floor to ceiling. They are perfectly flush to the partitioning and guarantee a high level of acoustic insulation thanks to the perimetric seal and automatic drop seal to the floor.
This model is always completed by an aluminum perimeter frame, in the same finish as the structure.
Door leafs in all melamine, timber veneer and glass finishes available for the panels.
18 Glass panels, thickness 10 - 12mm.
19 Set of 2 solid panels, melamine or timber veneer finish, 18mm thick.
19A Set of 2 solid panels, melamine or timber veneer finish, 18 mm thick.
24 Perimetric profile for hinged door frame, in aluminum, for solid and double glass hinged doors, 75mm thick (24A).
25 Structural post for hinged doors, in aluminum. For all hinged doors typologies: 75mm thick, 68mm thick, polished edge.
42 Handle for hinged doors.(standard height: 90cm.)
47 Double glass door leaf (1 or 2 tempered glass panels,5mm each, fixed inside the perimeter frame).
57 It's possible to include a high density rock-wool panel within the cavity in order to increase the acoustic performance





UPPER HINGE DETAIL

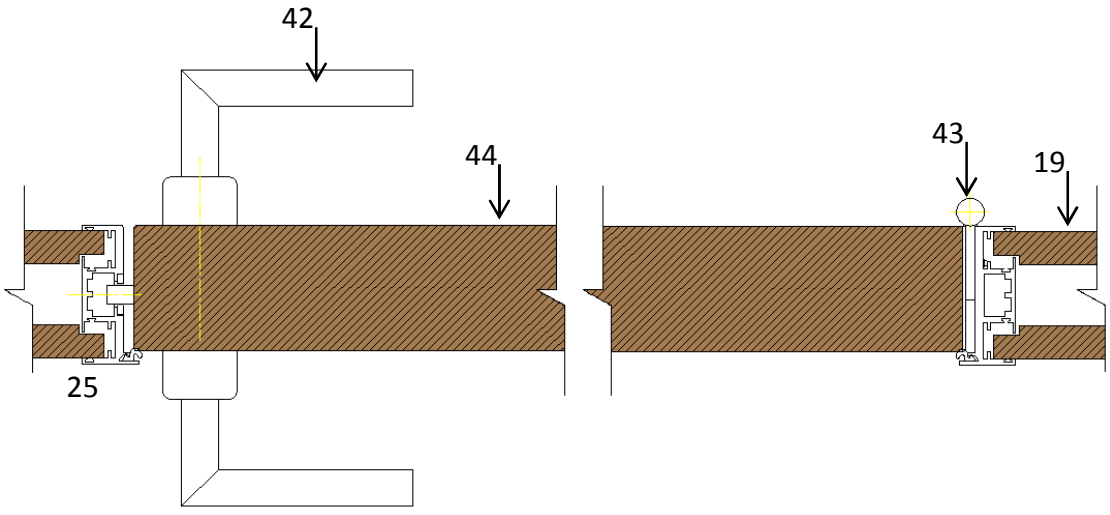
HANDLE DETAIL

LOWER HINGE DETAIL

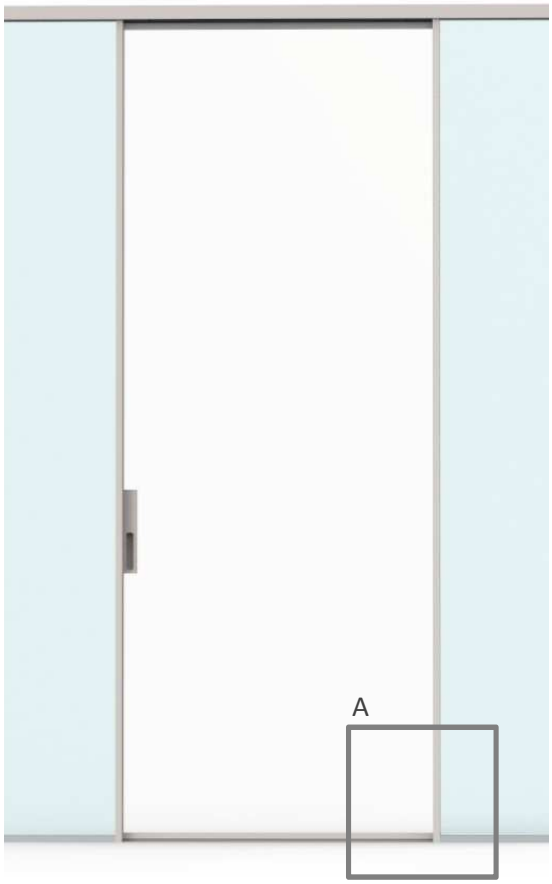
4_HINGED SOLID DOOR

Hinged door - 68mm thick

Frameless solid door 68mm thick. Hollow core with a honeycomb filler and a pinewood frame.
Finished in all melamine or timber veneer options available.
The aluminum frame is painted in the same finishes of the structure. All solutions include floor dropseal to increase the acoustic performance.
19 Set of 2 solid panels, melamine or timber veneer finish,18mm thick.
25 Structural post for hinged doors, in aluminum. For all hinged doors typologies: 75mm thick.
42 Handle for hinged doors.(standard height: 90cm.)
43 Hinge, standard.
44 Solid door leaf, thickness: 68mm. Honey comb core, laminate finish on MDF support.



4_SLIDING DOOR WITH FRAMED GLASS

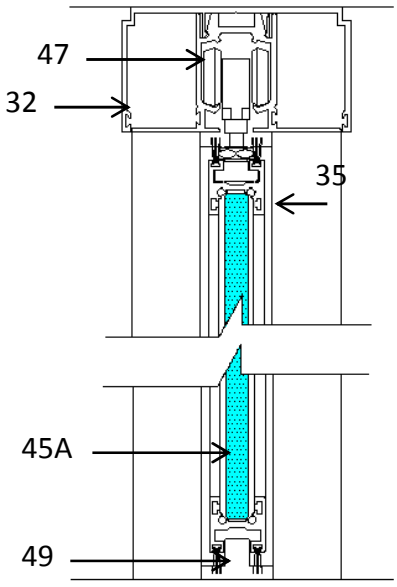


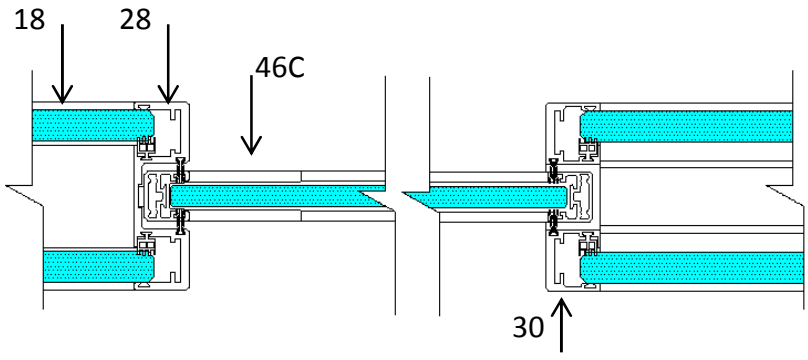
Sliding door with framed glass

Sliding door with framed glass , from floor to ceiling, running inside the thickness of the partitioning.
Layered glass, 4+4mm thick, completely framed with aluminum profiles.
18 Glass panels, thickness 10 ÷ 12mm.
28 End post for central sliding door.
30 Post for central sliding door.
32 Top track with guide profile for central sliding door.
35 Support profile for central and sliding doors, in aluminum.
45A Layered glass 4+4mm.
46C Design Handle for sliding door.
47 Rail profile for sliding door.
49 lower guide dowel for sliding door frame

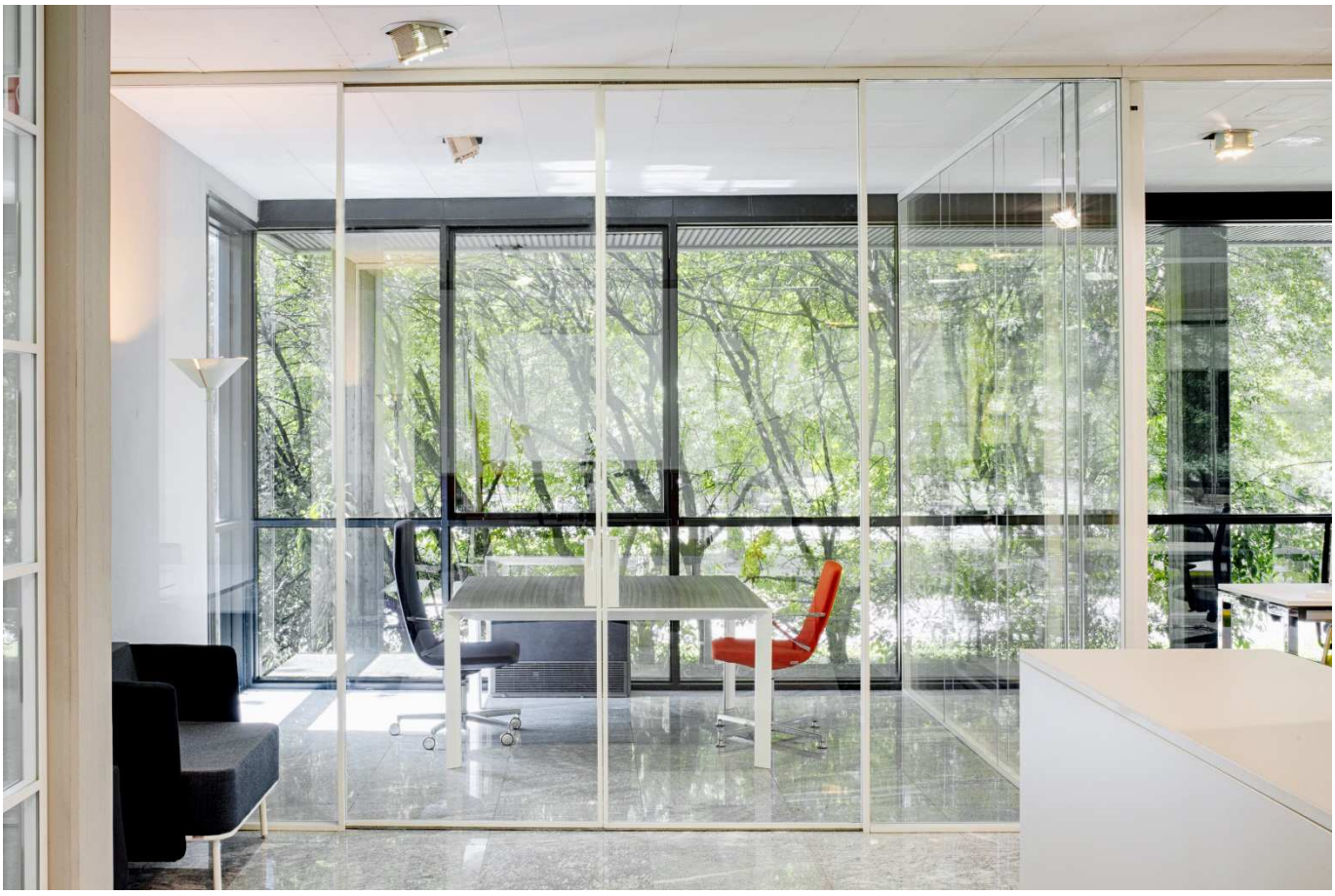

DETAL A

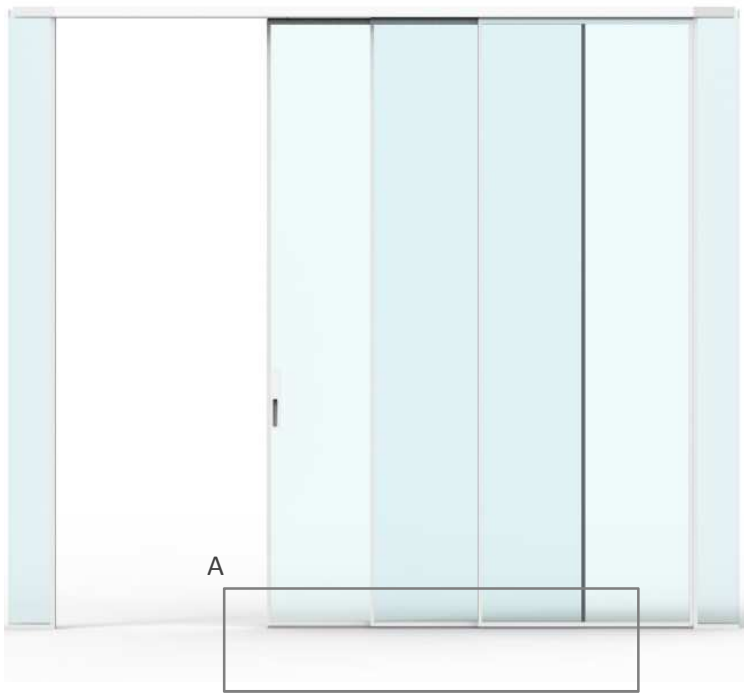

DETAL - 46C





4_SLIDING DOOR WITH FRAMED GLASS

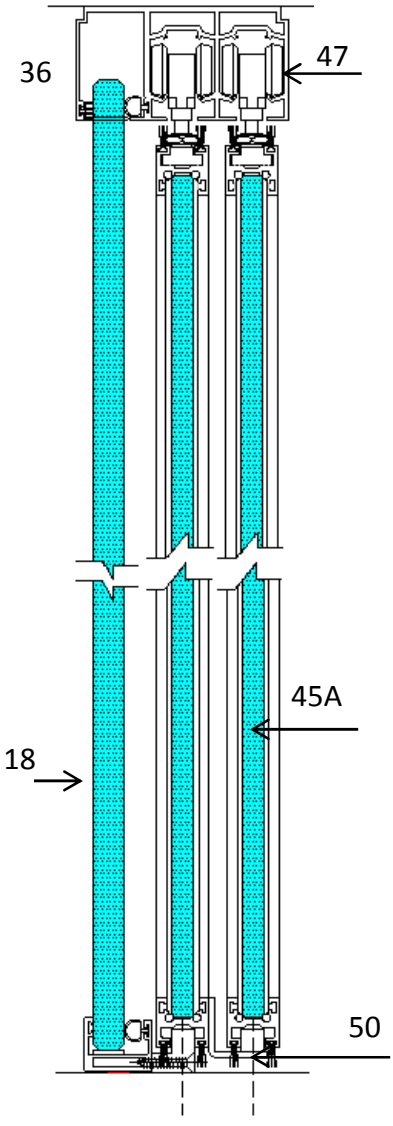




Double sliding leaf framed with pull system

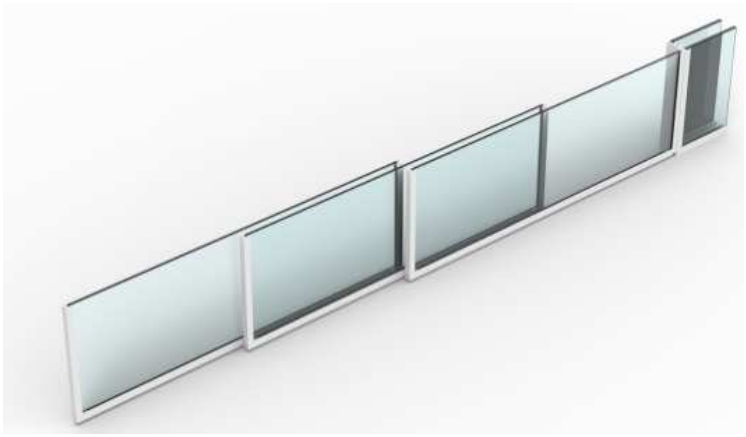
Sliding door in layered glass or different finishes (melamine, timber veneer) full-height from floor to ceiling, running inside the thickness of the partitioning.
Sliding along the grooves of the bottom and top tracks.
The leafs are completely framed by aluminum profiles.
18 Glass panels, thickness 10 ÷ 12mm.
36 Upper track with doulble rail for sliding leafs.
45A-B Layered glass 4+4mm or melamine / timber veneer 18mm.
47 Runner for sliding door.
50 Pul element and lower guide.

DETAIL A

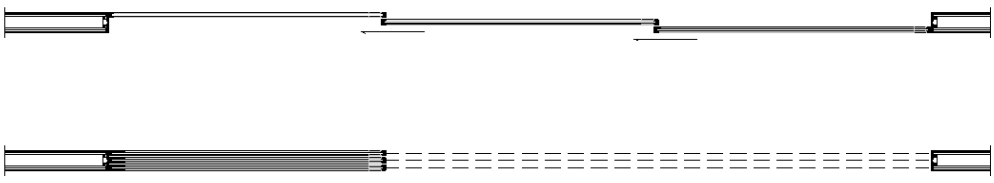


Triple sliding leaf framed with pull system

Sliding door in layered glass or different finishes (melamine, timber veneer) full-height from floor to ceiling, running inside the thickness of the partitioning.
Sliding along the grooves of the bottom and top tracks.
The leafs are completely framed by aluminum profiles.
37 Upper track with triple rail for sliding leafs.
45A-B Layered glass 4+4mm or melamine / timber veneer 18mm.
47 Runner for sliding door.
50 Pul element and lower guide.



DETAIL A



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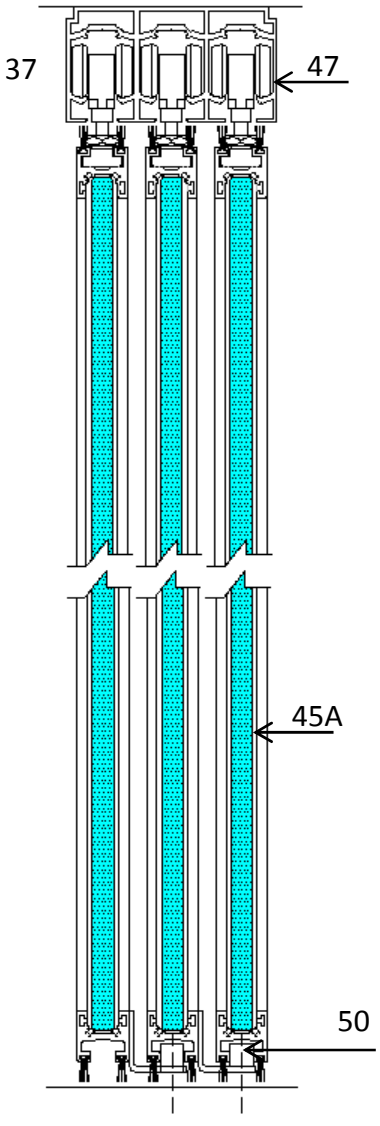
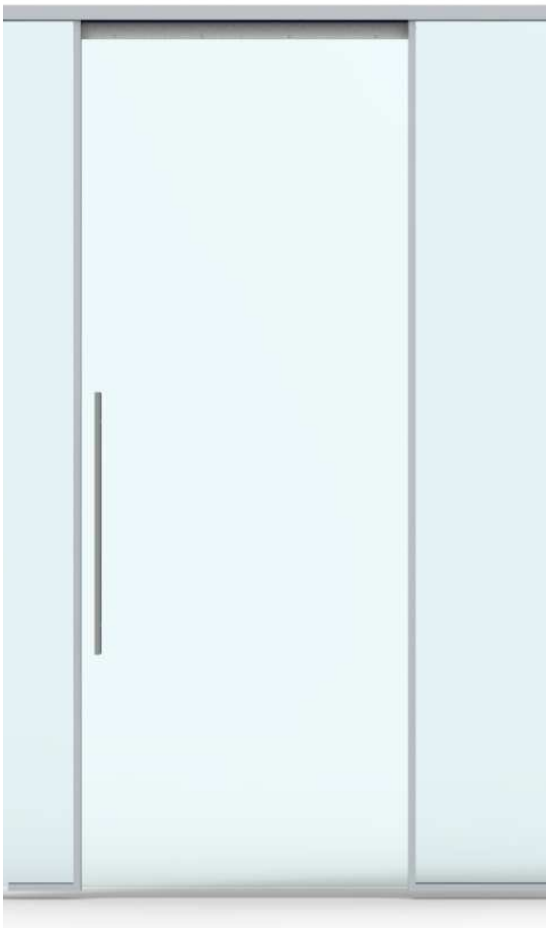
ORIZONTAL SECTION

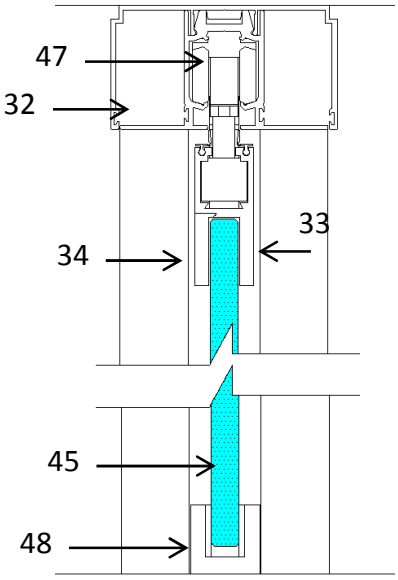


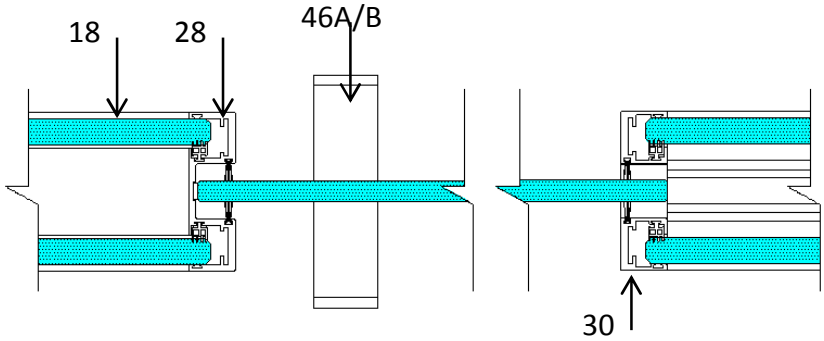
4_GLAZED SLIDING DOOR – FRAME LESS



Glazed sliding door – frame less

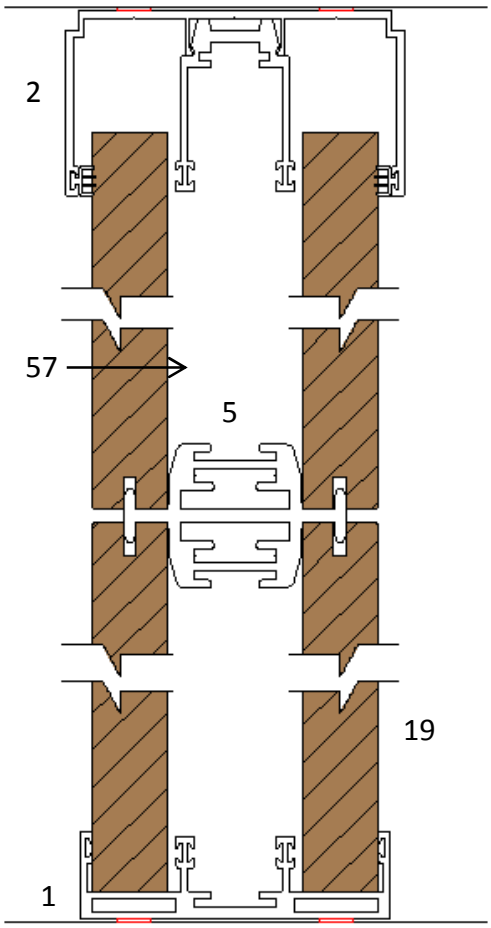
Full-height sliding door, from floor to ceiling, running inside the thickness of the partitioning.
Tempered glass door leaf, 10mm thick, Sliding along central groove of the bottom and top tracks. Upper and lower ends are provided with finishing profiles; vertical glass leaf has polished edges.
18 Glass panels, thickness 10 ÷ 12mm.
28 End post for central sliding door.
30 Post for central sliding door.
32 Top track with guide profile for central sliding door.
33 Supporting profile for sliding doors, in aluminum.
34 Clamp profile for sliding doors, in aluminum.
45 Tempered glass, 10mm thickness, polished edges.
46A/B Handle for sliding door
47 Runner for sliding door.
48 lower guide dowel .





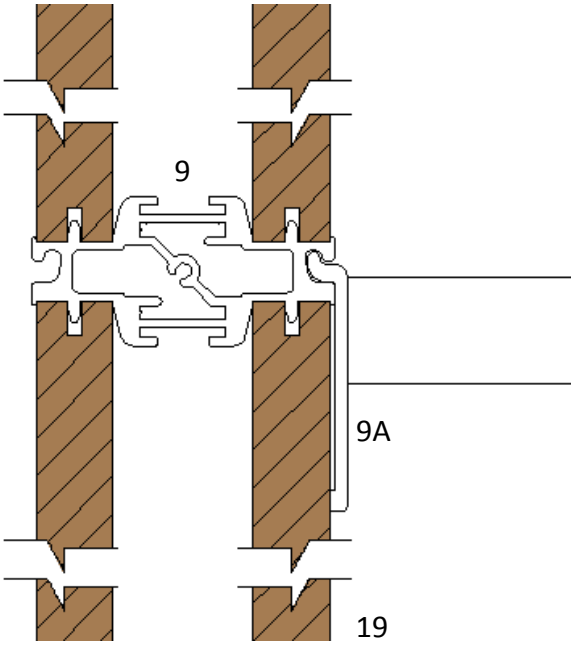
Solid panel horizontal module

Solid panel made by horizontal "brick" overlaid.
W: 30 – 240cm; H: 50 – 130cm.
1 Grooves aluminum bottom track, W 75 x H 20mm;
2 3-grooves aluminum top track, W 75 x H 45mm, screwed to the ceiling.
The section of this track was designed to guarantee a tolerance of ±10mm to each partitioning section.
5 Aluminum post for in-line junctions between solid
panels (same profile is used as horizontal transom between solid panels).The post is also machined to allow an horizontal cable management.
19 Set of 2 solid panels, melamine or timber veneer finish, 18mm thick, positioned inside the 2 lateral grooves of the bottom and top tracks. The sides of the panels are milled on the whole length; the resulting slot allows the coupling between panels and vertical posts. The melamine panel is reversible since there are no cut outs or holes on both faces.
57 It's possible to include a high density rock wool panel within the cavity in order to increase the acoustic performance.
The visible shadow-gap between 2 adjacent panels is very thin: 3mm.



Solid panel - horizontal module with accessories profile.

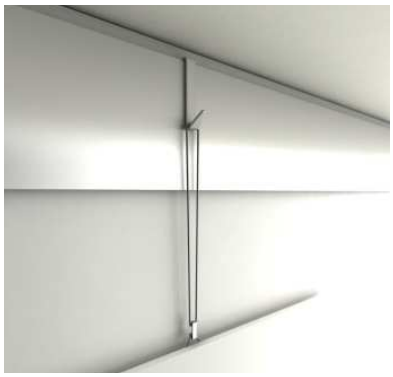
Using the same structural concept described for the solid horizontal panel it's possible to create a special panel equipped with a supporting horizontal profile. This profile replaces the horizontal transom and can support on both sides dedicated hanging elements such as cupboards, shelves, monitor arms, hooks, accessories, lighting devices. This supporting profile is positioned horizontally between 2 solid tiles.
9 Horizontal profile for hanging accessories, in aluminum, in the same finishes as the main tracks.
Shadow gap: 5mm.
9A Metal bracket supporting a melamine/timber veneer
shelf (thickness 2,5cm, depth 25cm).
19 Set of 2 solid panels, melamine or timber veneer finish, 18mm thick, positioned inside the 2 lateral grooves of the bottom and top tracks. The sides of the panels are milled on the whole length; the resulting slot allows the coupling between panels and vertical posts. The melamine panel is reversible since there are no cut outs or holes on both faces.



Range of accessories for solid module

The accessories profile can be fitted with:

9A Aluminum picture hook.
9B Aluminum shelf fixed to the profile in natural timber veneer or melamine, 2,5cm thick, 25cm deep max. load.
15 kg per linear meter.
9C Magnetic board, 41x49,5Hcm.
9D Aluminum coat hanger.



9A

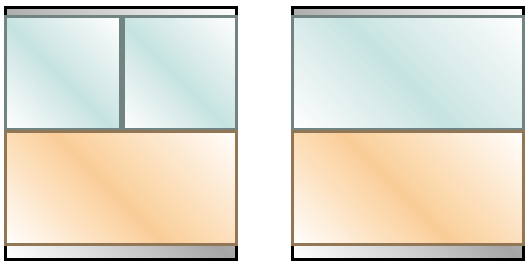
9B

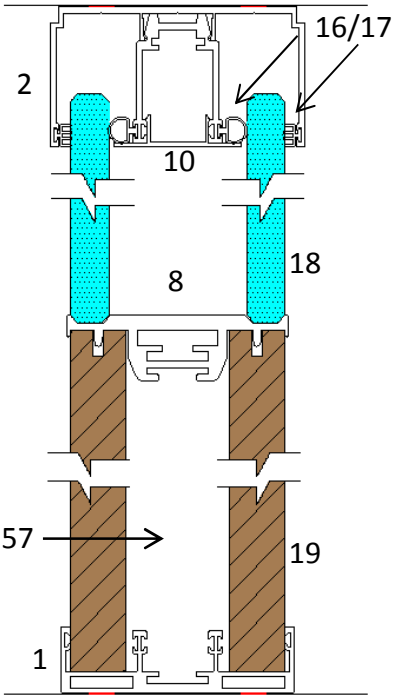
9C

9D

Mixed panel - lower solid module and upper double glass module

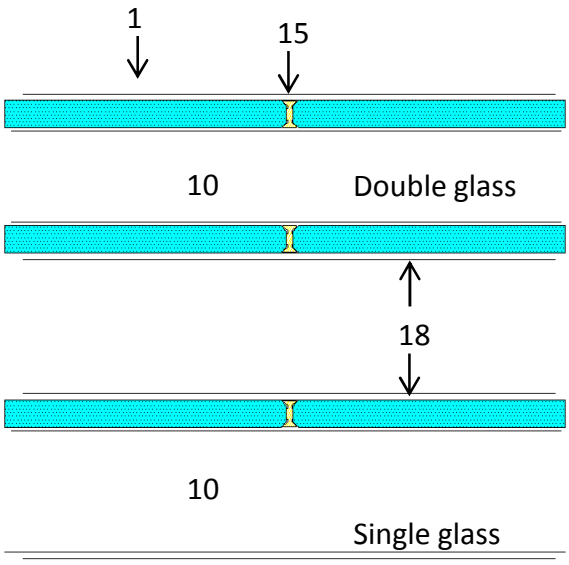
1 grooves aluminum bottom track, W 75 x H 20mm;
2 3-grooves aluminum top track, W 75 x H 45mm, screwed to the ceiling. The section of this track was designed to guarantee a tolerance of ±10mm to each partitioning section.
8 Horizontal transom, in aluminum, connecting a lower solid panel to an upper double glass one.
10 Dedicated aluminum covers, clip-on fixing, close the groove/s which are not housing panels.
16-17A Plastic gaskets improve the acoustic insulation performances of the partitioning and guarantee the seal and stability of the whole. Gaskets are PVC free. Also bottom and top tracks are equipped with special seals on the sides in contact with floor and ceiling.
18 Glass panels, thickness: 10 ÷ 12mm, positioned inside the lateral grooves of the tracks.
19 Set of 2 solid panels, melamine or timber veneer finish, 18mm thick, positioned inside the 2 lateral grooves of the bottom and top tracks. The sides of the panels are milled on the whole length; the resulting slot allows the coupling between panels and vertical posts. The melamine panel is reversible since there are no cut outs or holes on both faces.
57 It's possible to include a high density rock wool panel within the cavity in order to increase the acoustic performance

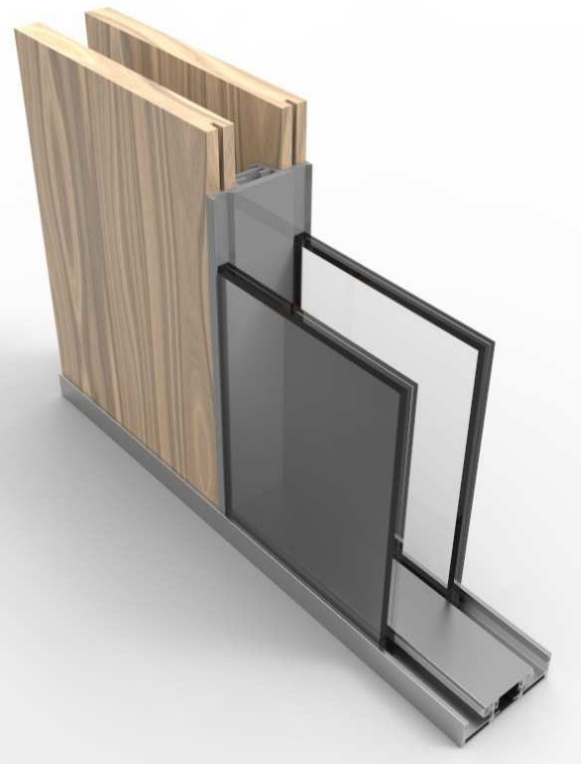




Polycarbonate junction

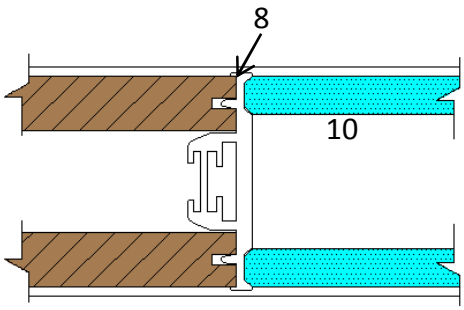
In-line connection between adjacent panels can be achieved with different junction typologies and materials.
1 Bottom track, overall size, view from above.
10 Aluminum covers, clip-on fixing, close the groove/s which are not housing panels.
15 Polycarbonate junction; can be used for in-line connections between glass panels (central single glass; central lateral glass; double glass). Visible size: 6mm.
18 Glass panels, thickness 10 ÷ 12mm



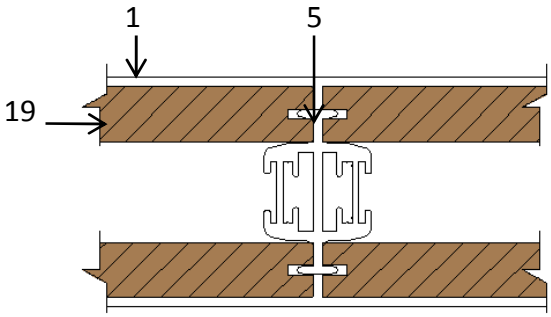


Post for solid panels

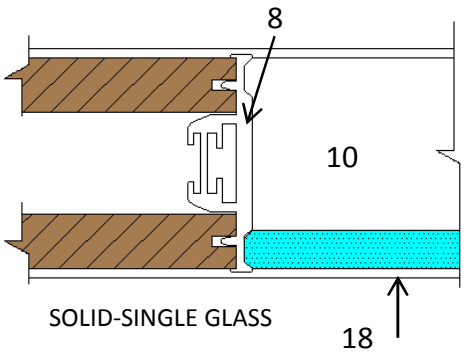
Aluminum profile, necessary when at least one of the adjacent panels is solid.
Keeps solid panels aligned. The 3 different typologies can be used for the in-line connection of:
1 Bottom track, overall size, view from above.
5 Solid panel - solid panel (same profile as the horizontal transom connecting solid panels).
8 Solid panel - double glass panel (same profile as the horizontal transom connecting a solid lower panel and an upper double glass one).
10 Aluminum covers, clip-on fixing, close the groove/s which are not housing panels.
18 Glass panels, thickness 10 ÷ 15mm.
19 Set of 2 solid panels, melamine or timber veneer finish, 18mm thick, positioned inside the 2 lateral grooves of the bottom and top tracks. The sides of the panels are milled on the whole length; the resulting slot allows the coupling between panels and vertical posts. The melamine panel is reversible since there are no cut outs or holes on both faces.



SOLID -DOUBLE GLASS



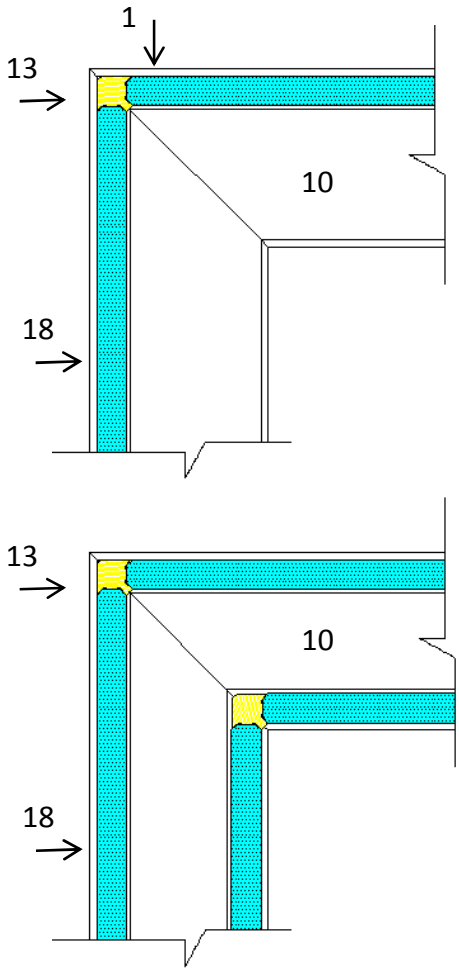
SOLID-SOLID



SOLID-SINGLE GLASS

Polycarbonate - aluminum 90° corner

1 Bottom track, overall size, view from above.
10 Aluminum covers, clip-on fixing, close the groove/s which are not housing panels.
13 Light polycarbonate or aluminum connection allowing the 90° junction between glass modules, both single and double. Overall size: 14 x 14mm.
18 Glass panel, thickness 10 ÷ 12mm.



Aluminum 90° corners

Available are in two shapes:
- **82x82mm.column**
- **25x25mm. slim**

Aluminum profile, in the same finishes as the main tracks, which can be used to house glass panel, thickness: 10 ÷ 12 mm, and solid panels, melamine or timber veneer finish, 18 mm thick. They can be used for the corner connection of: 2+2 solid modules; 2+2 double glass modules.

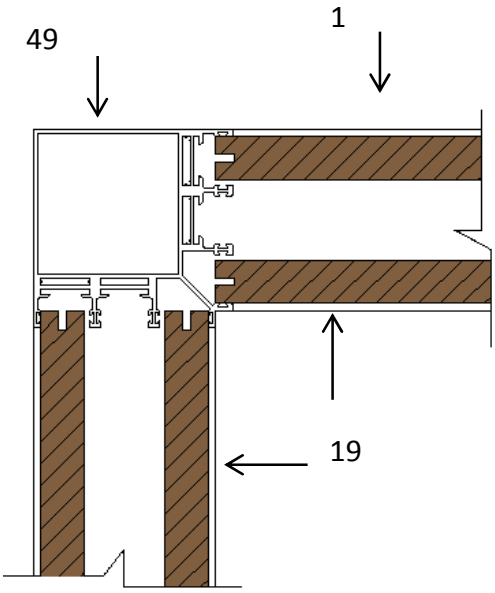
1 Bottom track, overall size, view from above.

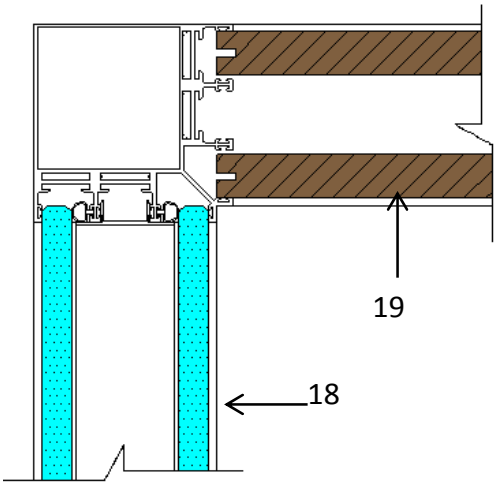
6 Aluminum corner profile thickness 25mm., in the same finish as the main tracks, (necessary when you have at least one solid module). It allows to combine a 90° junction with solid and glazed panels.

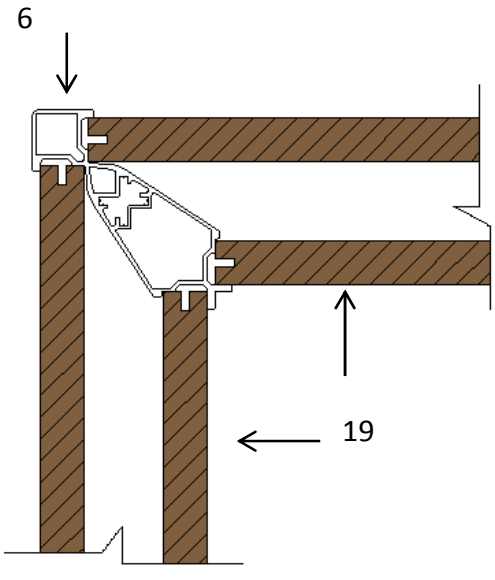
18 Glass panel, thickness 10 ÷ 12mm.

19 Set of 2 solid panels, melamine or timber veneer finish, 18mm thick.

49 Aluminum corner profile thikness 82mm., in the same finish as the main tracks. Necessary with horizontal solid modules .



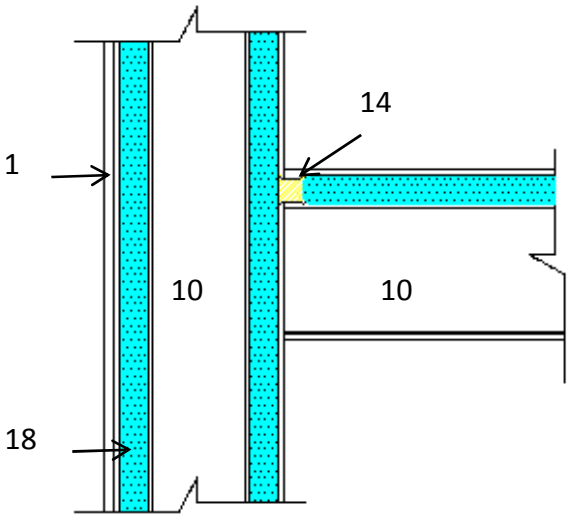


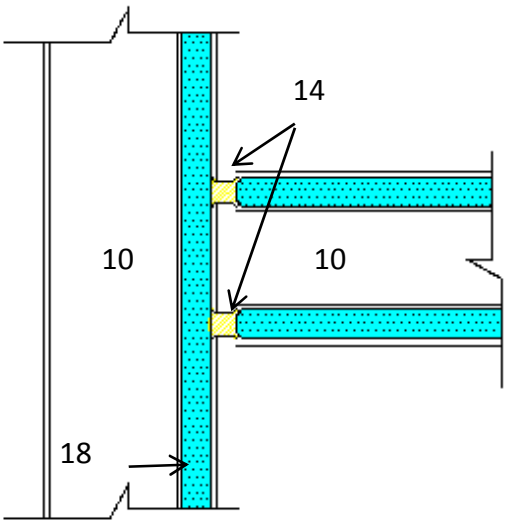


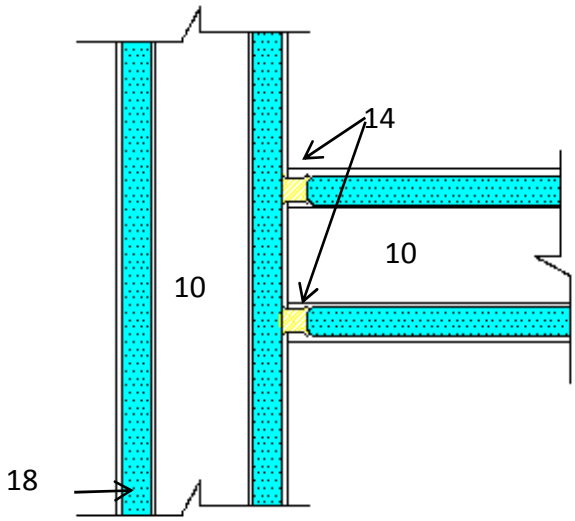
Polycarbonate 3-way junction

1 Bottom track, overall size, view from above.

10 Aluminum covers, clip-on fixing, close the groove/s which are not housing panels.
14 The connection between 2 perpendicular glass walls can be achieved by using a light polycarbonate junction.
This profile can be adopted for the following configurations:
• main wall with double glass panel - spine wall with single or double glass panel
• main wall with lateral single glass panel - spine wall with single or double glass panel
18 Glass panel, thickness: 10 ÷ 12mm.

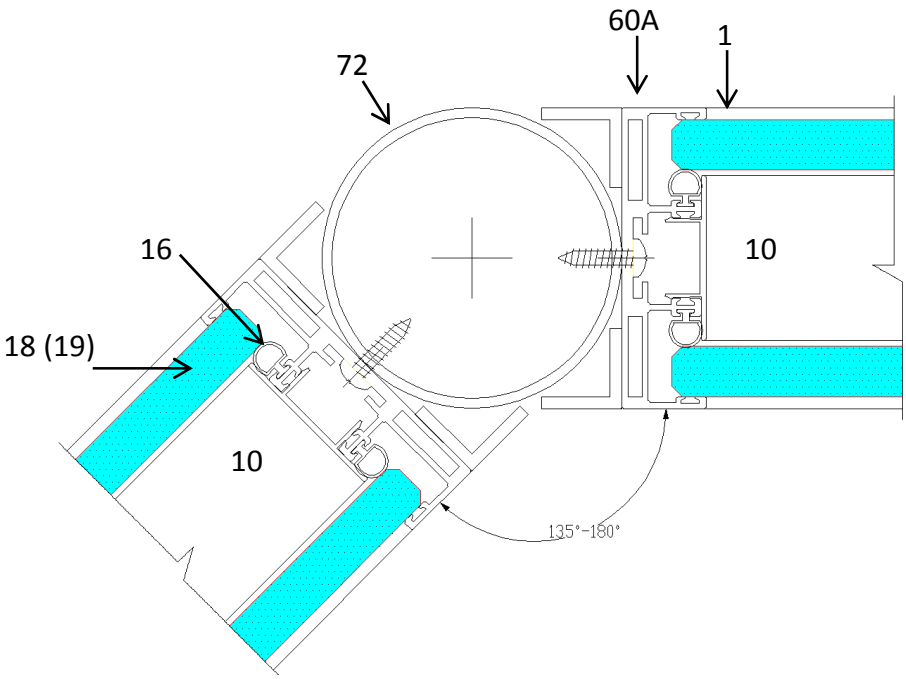






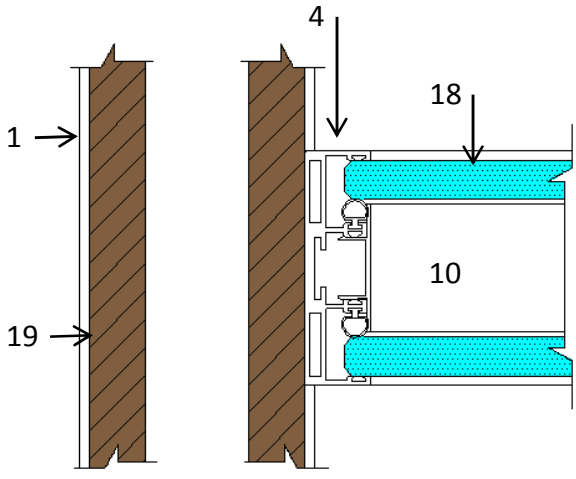
Aluminum variable angle corner

These aluminum profiles, in the same finishes as the main tracks, can be used to house glass panel, thickness: 10 ÷ 12 mm and solid panels in melamine or timber veneer finish, 18 mm thick. They enables to create variable angles corners.
1 Bottom track, overall size, top view.
10 Aluminum covers for free grooves.
16 Plastic gaskets improve the acoustic insulation performances of the partitioning and guarantee the seal and stability of the whole. Gaskets are PVC free.
18 Glass panel, thickness 10 ÷ 12mm.
19 Set of 2 solid panels, melamine or timber veneer finish, 18mm thick.
60A Vertical track (visible dimension 40mm), opportunely shaped to enable variable angles with inclination from 135° a 180° when combined with the steel tube 72.
72 Aluminum steel tube Ø 75 mm.

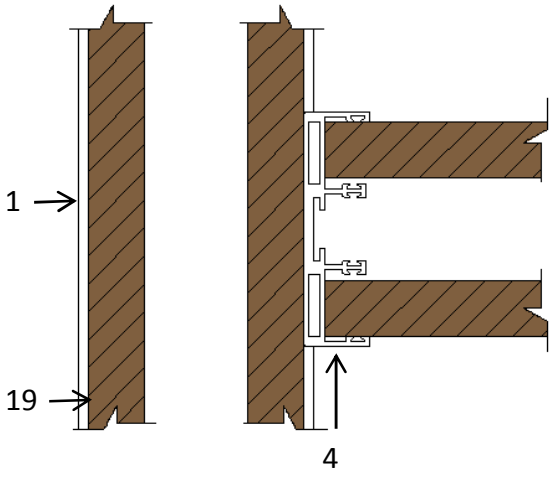


Connections 3-way junction from solid main wall

1 Bottom track, overall size, view from above.
4 The connection between 2 perpendicular walls can be achieved by using an aluminum profile with 3 grooves on one side only. Aluminum covers, clip-on fixing, close the groove/s which are not housing panels. This profile is necessary when at least one of the perpendicular panels is solid. It ensures a good horizontal tolerance.
Overall size: 22mm.
Typical configurations:
• main wall with solid panel - cross wall with double glass panel / single glass panel.
• main wall with solid panel - cross wall with solid panel.
10 Aluminum covers, clip-on fixing, close the groove/s which are not housing panels.
18 Glass panel, thickness: 10 ÷ 12mm.
19 Set of 2 solid panels, melamine or timber veneer finish, 18mm thick.



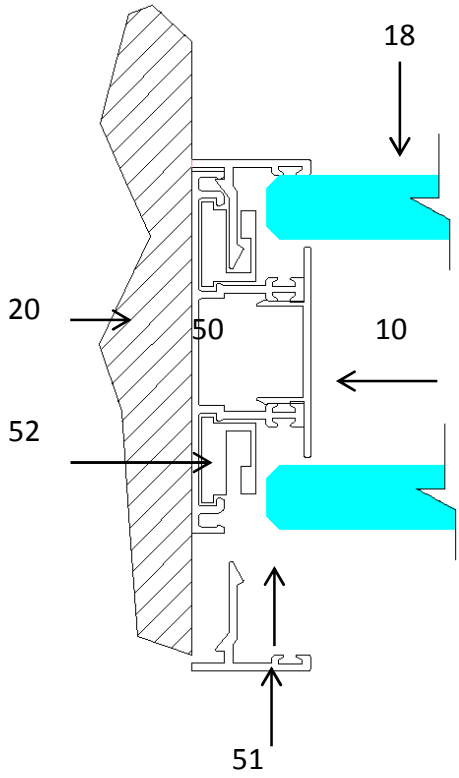
CIECO-VETRO

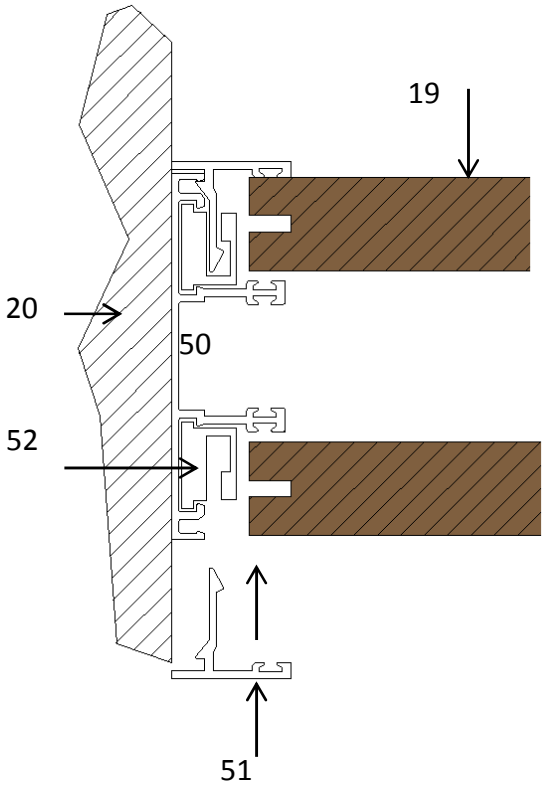


CIECO-CIECO

Wall abutment profile

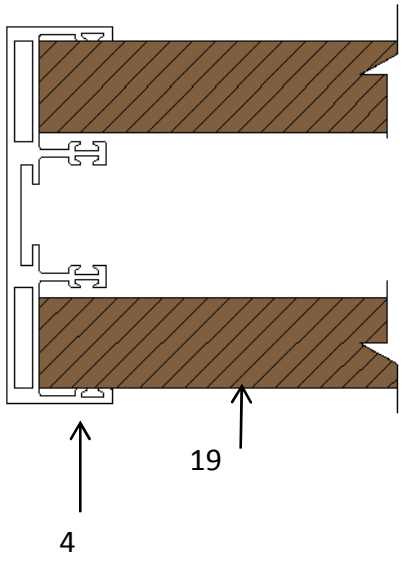
The perpendicular connection between partitioning and a building wall can be achieved using the wall abutment profile.
18 Glass panel, thickness: 10 ÷ 12mm.
19 Set of 2 solid panels, melamine or timber veneer finish, 18mm thick.
20 Building wall.
50 3-grooves wall abutment aluminum profile with side access, W 75 x H 30mm.
51 Aluminum Clamp-profile for 3-grooves wall abutment aluminum profile with side access.
52 Plastic clip for clamp profile



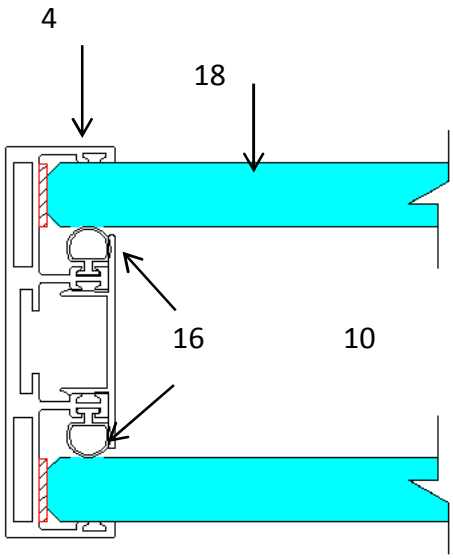


End cap profile

Wall thickness can be closed and completed by adding an end cap profile, which is the same profile used as a 3-way junction from solid panel (n° 4 in the Profile Library).
4 Aluminum profile with 3 grooves on one side only. Clip- on fixing covers close the groove/s which are not
housing panels. It can be used as a 3-way junction and
as an end cap profile, with every panel typology.
10 Aluminum covers, clip-on fixing, close the groove/s which are not housing panels.
16 Plastic gaskets improve the acoustic insulation performances of the partitioning and guarantee the seal and stability of the whole. Gaskets are PVC free.
18 Glass panel, thickness: 10 ÷ 12mm.
19 Set of 2 solid panels, melamine or timber veneer finish, 18mm thick

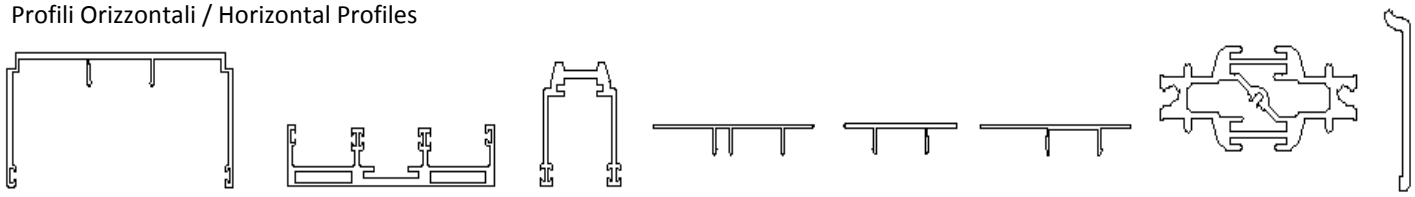


SOLID MODULE

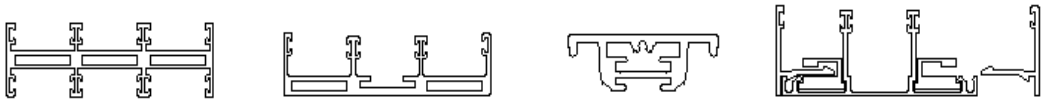


DOUBLE GLASS

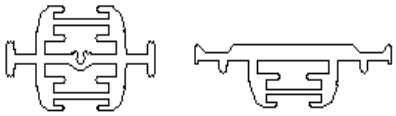
Profili Orizzontali / Horizontal Profiles



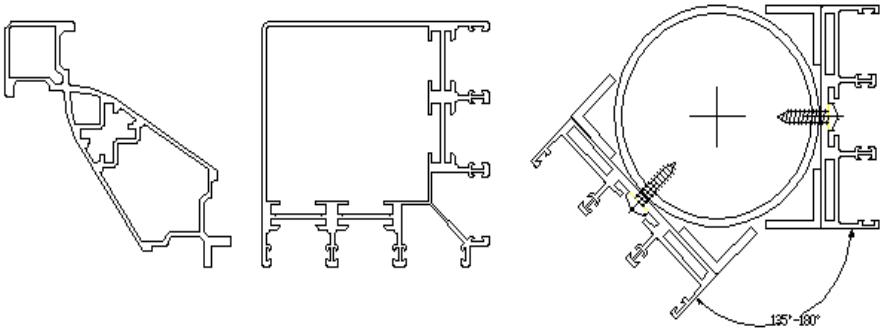
Profili Verticali / Vertical Profiles



Profili Orizzontali e Verticali / Horizontal & Vertical Profiles



Angoli / Corners

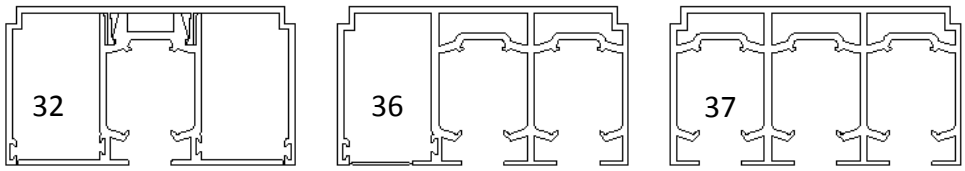


Guarnizioni e Connessioni /
Gaskets and Junctions

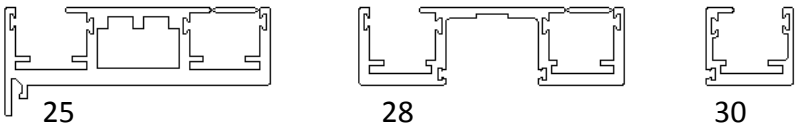
Library door profiles

24A Perimeter profile for hinged door frame, in aluminum thickness 75mm. Double solid panel or glazed.
24B Perimeter profile for hinged door frame, in aluminum thickness 75mm. Single glass.
24C Perimeter profile for hinged door frame, in aluminum thickness 75mm. Double glass glued with perimetric serigraphy.
25 Structural post for hinged doors, in aluminum.
28 End post for central sliding door.
30 Post for central sliding door.
32 Top track with guide profile for central sliding door.
33 Supporting profile for central and lateral sliding doors, in aluminum.
34 Clamp profile for central and lateral sliding doors, in aluminum.
36 Upper track with doulble rail for sliding leafs.
37 Upper track with triple rail for sliding leafs.
38 Vertical profile for sliding door.
39 Horizontal profile for sliding door.

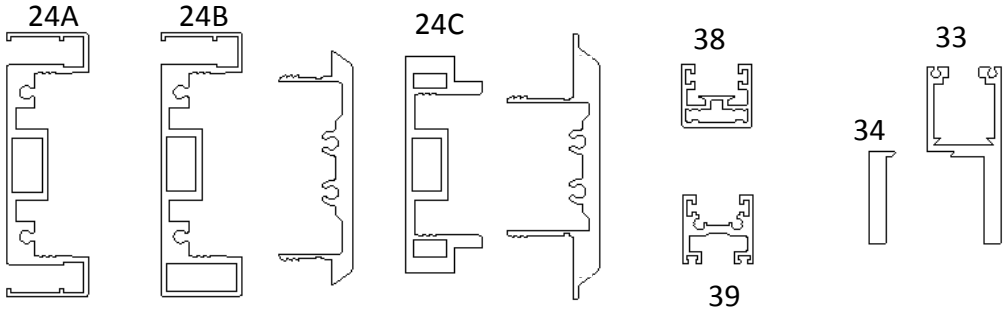
Canaline superiori/Upper Tracks



Montanti/Post



Profili Orizzontali e Verticali Battenti/Horizontal and Vertical Leaf Profiles



Library of handles
for sliding and hinged doors

42A Lever handle fixed on aluminum cover for hinged door with frame (single or double glass leaf).
42B Lever handle fixed on glass with serigraphy for hinged door glued to frame.
46A Tubular Section Pull handle for sliding door frame less
46B Square Section Pull handle for sliding door frame less
46C Design handle for sliding door framed.

42A

42B

46A

46B

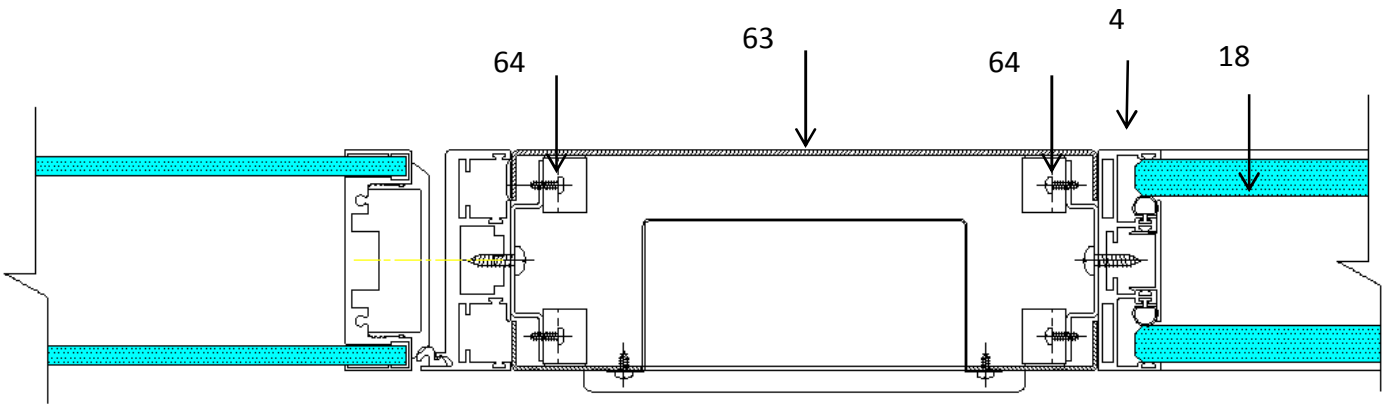
46C

Cable Management

Different options are available for wiring partitioning:
• vertical and horizontal cable management along bottom and top track when not housing panels;
• inside solid modules, thanks to the slots provided on all posts and transoms connecting solid panels;
• in case of special cable management needs, a dedicated technical module is available.

Cable Management technical module

Aluminum technical module for cable management. The full height, floor to ceiling, profile can be located between 2 glass modules or next to doorpost.
Width module can be defined on project.
18 Glass panel, thickness 10-12mm..
63 Aluminum cover for technical module.
64 Profile with magnets for covering leafs.
4 Aluminum profile with 3 grooves on one side.



Material & finishes

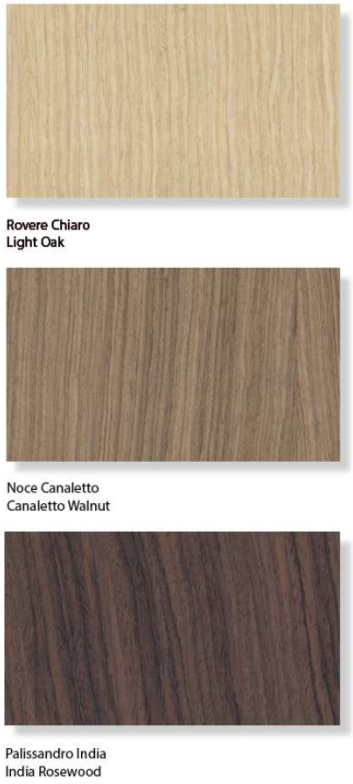
Castelli partition is a product which seeks to ensure maximum freedom of design expression, with usage of most up to date materials for interior finishes.
Panels of glass, metal, wood finishes, melamine, decorative laminates, acrylic panels and ceramic, can be used with maximum interchangeability over time to create solutions for environments of high quality aesthetic and sensual.
The finish colors reproduced here are indicative for the inevitable variations in printing processes.

Glazed Panel

Laminated float glass panel, 12mm thick (two 6mm layers) or 14 mm thick (one 6 mm layer and one 8 mm
layer for improved acoustic insulation performance – see pages 61-62), with PVB film Interlayer. The panels
are available in floor-to-ceiling modules, max. height 3200 mm and max. width 1500 mm, according to
logistic routs and site issues. The glazed panels are available in transparent, low iron or snowglass finishes,
as well as a range of back painted finishes obtained using heavy metal-free water-based paint.

Timber Veneer

Timber veneer sheet applied to a composite panel, with low formaldehyde emissions (E1 grade), PEFC certified, 18 mm thick,
edge banded in timber veneer.



Standard Melamine

Wood composite panels with low formaldehyde emissions (E1 grade), PEFC certified, 18 mm thick, melamine paper finish and edge banded in 1.5mm thick ABS in the same color shade.

Melamine Design Collection

Wood composite panels with low formaldehyde emissions (E1 grade), PEFC certified, 18 mm thick, melamine paper finish and edge banded in 1.5mm thick ABS in the same color shade.