R-PLATFORM

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Creative Variety. The R-Platform is a double-glazed wall system for creating and designing modern office layouts. The portfolio includes office and corridor walls and sets new standards in design, flexibility and acoustics.

As an office wall, it creates acoustically and visually protected areas. Different designs and materials can be applied to each side of the office wall, facilitating the integration of several organisation and storage elements. As a corridor wall, it offers varying degrees of transparency by using different panel combinations. The corridor wall also enables a mix of a wide range of materials and panel sizes. In combination with the transparent wall systems RF Corridor Wall and RG Glass Wall, each floor can be individually designed.

Design: Johannes Scherr

FACTS

1 A double-glazed, highly flexible wall system that can respond quickly to changes and modifications.

2 Multiple design options by combining various panels of melamine, veneer, fabric and glass.

3 The concept of consistent designs, colours and materials make it possible to combine furniture, wall and organisational elements both visually and dimensionally.

4 Tolerances can be compensated up to 50 mm by a levelling element that is integrated in the floor rail, directly under the post.

5 The system enables the simple arrangement of office walls in a centre-to-centre grid and the mounting of cross walls.

6 Bene's R-Platform offers three acoustic quality levels up to 48 dB (Rw), which can also be subsequently adjusted.

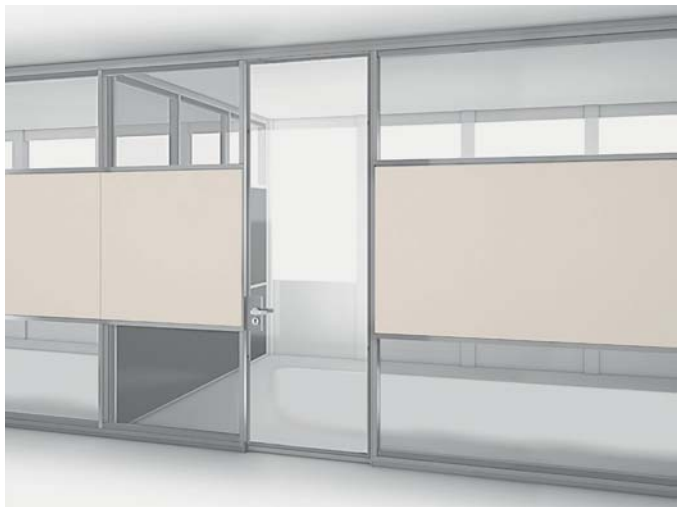
DOORS

There is a wide range of hinged and sliding doors to choose from in the R-Platform line: glass or solid core doors, with or without an over-door panel, single- or double-glazed hinged doors, single-glazed sliding doors, single- or double-leafed hinged- or sliding doors.

Handle with square rosette

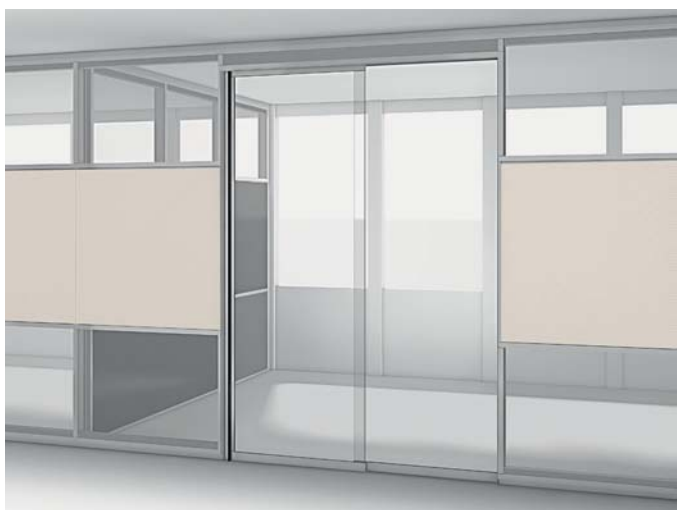
Handle with round rosette

Solid core hinged door
Example: solid core hinged door with glass over-door panel
Solid core hinged doors create discreet rooms and retreats.



Glass hinged door
Example: glass hinged door at room height
Glass hinged doors create a transparent entrance area Characteristic emphasis of the door frame in light grey or black.

Solid core sliding door
Example: solid core sliding door with glass over-door panel
Solid core sliding doors create space-saving retreats.

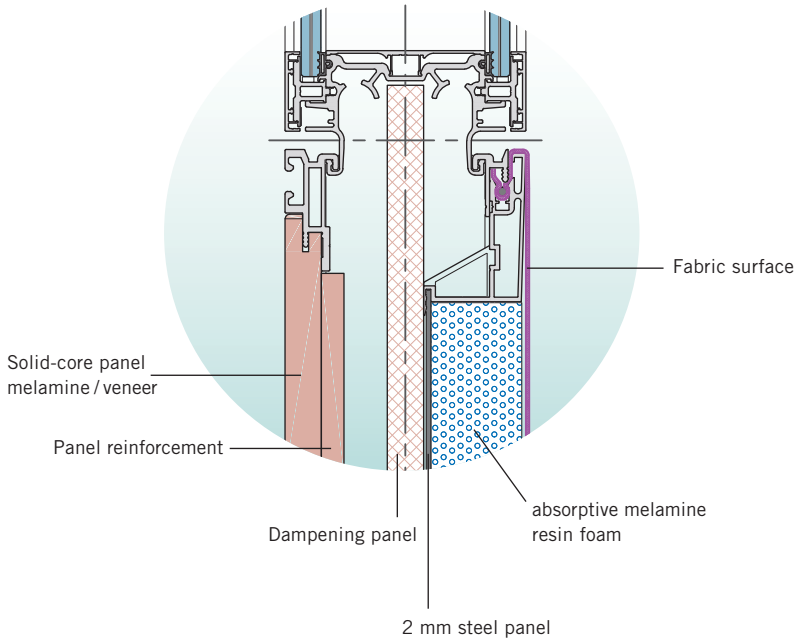


Glass sliding door
Example: glass sliding door at room height
Glass sliding doors create a transparent entrance area.

ACOUSTICS

Bene's R-Platform is a highly effective way to combine sound insulation and sound absorption in one wall element. The platform offers three acoustic quality levels: from 37 to 48 dB (Rw). A sophisticated concept, in which the wall looks the same and has the same dimensions, regardless of the chosen acoustic quality levels, and can be subsequently adapted to meet new requirements.

An additional level of acoustic quality can be obtained by combining acoustic absorbers of the B/α_w 0.8 class. This means that up to 80 % of the sound is absorbed and only 20 % is reflected into the room.



CABLE MANAGEMENT

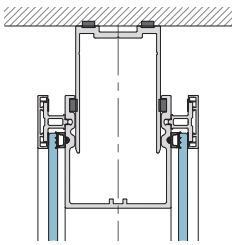
Bene's cable management solutions let you place power and network connections exactly where you need them. Connection plug boards can be freely positioned and flush-mounted in solid core panels, whether they be melamine, veneer or non-pinnable fabric.
Optional horizontal and vertical cable management between solid core panels. Additional electric panels can be run floor to ceiling and can be used to install switches and power sockets provided by the customer. Electrical panels can be solid core panels (melamine or veneer) or varnished glass panels.

Configurable connection plug boards
The connection plug boards can be configured with all international power sockets, data and media connections. Current feed-through to other connection plug boards is standard. Benefits: flexible cable length, lockable connectors, and the availability of different models for different countries.

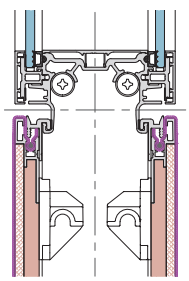
DOUBLE-GLAZED CONSTRUCTION

The double-glazed R-Platform can be designed differently on each side with melamine, veneer, fabric or glass panels as well as storage space and organisational elements.

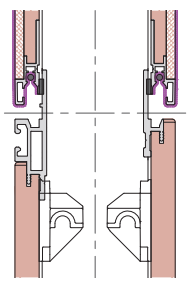
Construction tolerances up to ± 50 mm and ceiling movements up to 10 mm are compensated using an intelligent construction principle.



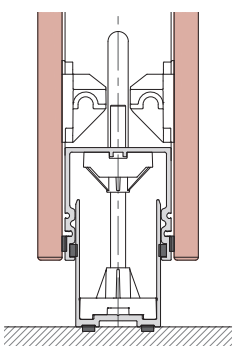
Ceiling connection



Transition glass-fabric panel



Transition fabric to solid core panel

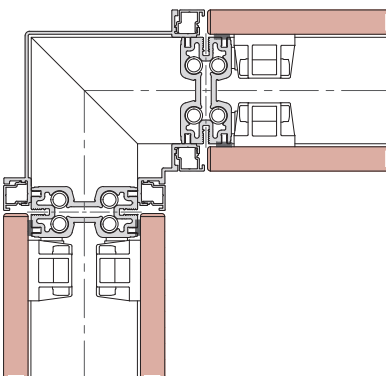


Floor connection

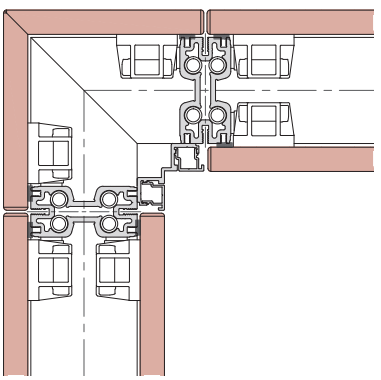
JUNCTIONS AND CONNECTIONS

The system allows a simple arrangement of office walls in a centre-to-centre grid and the mounting of cross walls on each post of a corridor wall. The office wall can be attached simply by clipping off a pilaster strip and attaching a »Smart« T-junction.
This design simplifies renovations enormously and doesn't require any additional renovation work on the corridor wall.

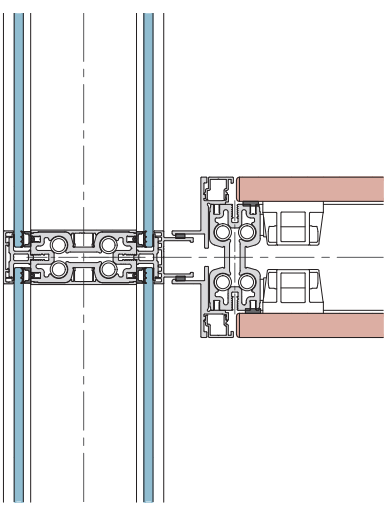
L-, T- or X-connections may be set up with recessed aluminium junctions or solid core junctions in melamine or veneer.



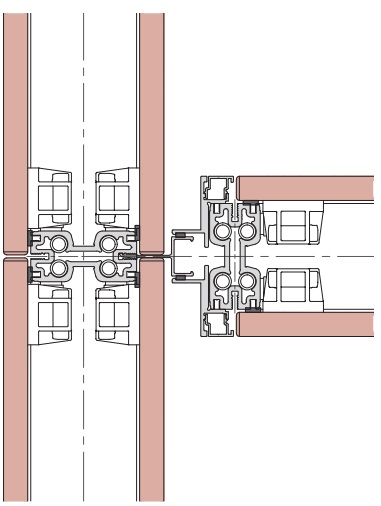
90°-junction
L-connection in aluminium



90°-junction
L-connection in melamine/veneer



T-junction »Smart«
Connection to glass wall



T-junction »Smart«
Connection to solid core wall

TECHNICAL FACTS

Types	Sound protection	Element width in cm	Max. room height in cm	Max. joint height in cm	Clearance width in cm
Glass element					
2×6 mm TSG	38 dB	23–240	400	400	
1×6 mm TSG + 1×8 mm LSG acoustics	46 dB	23–240	400	400	
2×8 mm LSG acoustics	48 dB	23–240	400	400	
Solid core elements					
Melamine/veneer	37/42*/44 dB**	15–240	400	275	
Pinnable fabric	37/42*/46 dB**	40–240	400	132	
Non-pinnable fabric	37/42*/46 dB**	15–240	400	240	
Acoustic absorber	37/42*/44 dB**	40–240	400	132	
Hinged doors					
10 mm TSG glass at room height	21/28 dB***	80–107	300		67,5–94,5
2×8 mm TSG glass at room height	23/37 dB***	80–107 (120)	300 (250)		63,5–90,5 (103,6)
40 mm solid core at room height	24/26 dB***	80–107 (120)	270 (250)		67,5–94,5 (107,5)
65 mm solid core at room height	24/36***/37 dB****	80–107 (120)	285 (250)		63,5–90,5 (103,6)
10 mm glass with over-door panel		80–107	400	290	67,5–94,5
2×8 mm glass with over-door panel		80–107 (120)	400	290 (240)	63,5–90,5 (103,6)
40 mm solid core with over-door panel		80–107 (120)	400	262 (240)	67,5–94,5 (107,5)
65 mm solid core with over-door panel		80–107 (120)	400	275 (240)	63,5–90,5 (103,6)
Double-leaf hinged doors					
2×8 mm TSG glass at room height		120–200 (240)	300 (250)		96,6–176,6 (216,6)
40 mm solid core at room height		120–200 (240)	270 (250)		102,1–182,1 (222,1)
65 mm solid core at room height		120–200 (240)	285 (250)		96,6–176,6 (216,6)
2×8 mm glass with over-door panel		120–200 (240)	400	290 (240)	96,6–176,6 (216,6)
40 mm solid core with over-door panel		120–200 (240)	400	262 (240)	102,1–182,1 (222,1)
65 mm solid core with over-door panel		120–200 (240)	400	275 (240)	96,6–176,6 (216,6)
Sliding doors					
1×8 mm TSG glass		160–240	350		68,4–108,4
25 mm solid core		160–240	270		68,4–108,4
Glass with glass/solid core over-door panel		160–240	400	350	68,4–108,4
Solid core with glass/solid core over-door panel		160–240	400	270	68,4–108,4
Double-leaf sliding doors					
1×8 mm TSG glass		320–400	350		139–179
25 mm solid core		320–400	270		139–179
Glass with glass/solid core over-door panel		320–400	400	350	139–179
Solid core with glass/solid core over-door panel		320–400	400	270	139–179

* with hollow-space absorption dampers
** with hollow-space absorption dampers and panel reinforcement
*** with floor seal
**** with floor seal and improved sound protection

Profiles: anodised aluminium

Hinged door: light grey bonding surface

Hinged door: black bonding surface

All profiles are in naturally anodised colourless aluminium A6/C0. The sealing for glass door elements is available in black or light grey. Tolerance compensation at ceiling for all elements mentioned above is ±25 mm. Tolerance compensation at floor for all elements mentioned above is ±25 mm. Ceiling movements up to 10 mm can be compensated. R-Platform tested in accordance with ETAG 003.

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