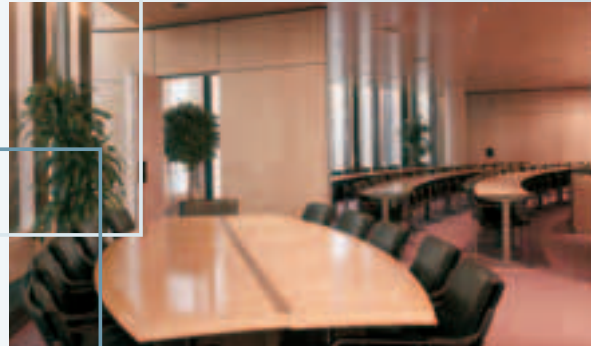
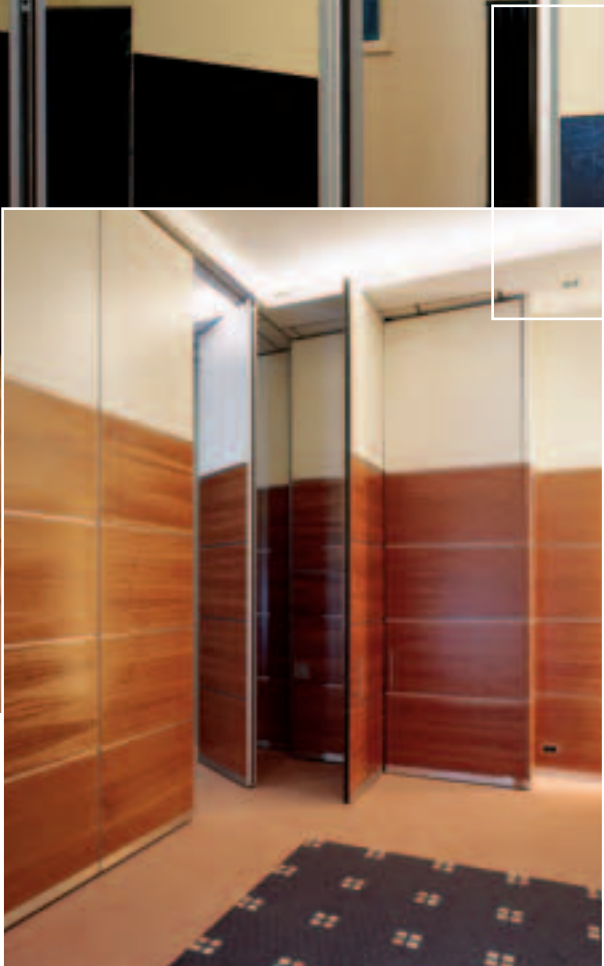


**Strength inside,
Beauty outside**



MULTIWAL
operable walls

MULTIWAL operable walls





Support the dynamics of your company

Every modern, dynamic company wants a multifunctional headquarters – a space that can be easily changed, without any need for demolition. With Multiwal that's possible! Multiwal operable walls allow you to effectively divide any space, however big or small, in just the way you want. And change it again, and again and again... Multiwal walls enable you to adapt your work to any environment.

MULTIWAL operable walls





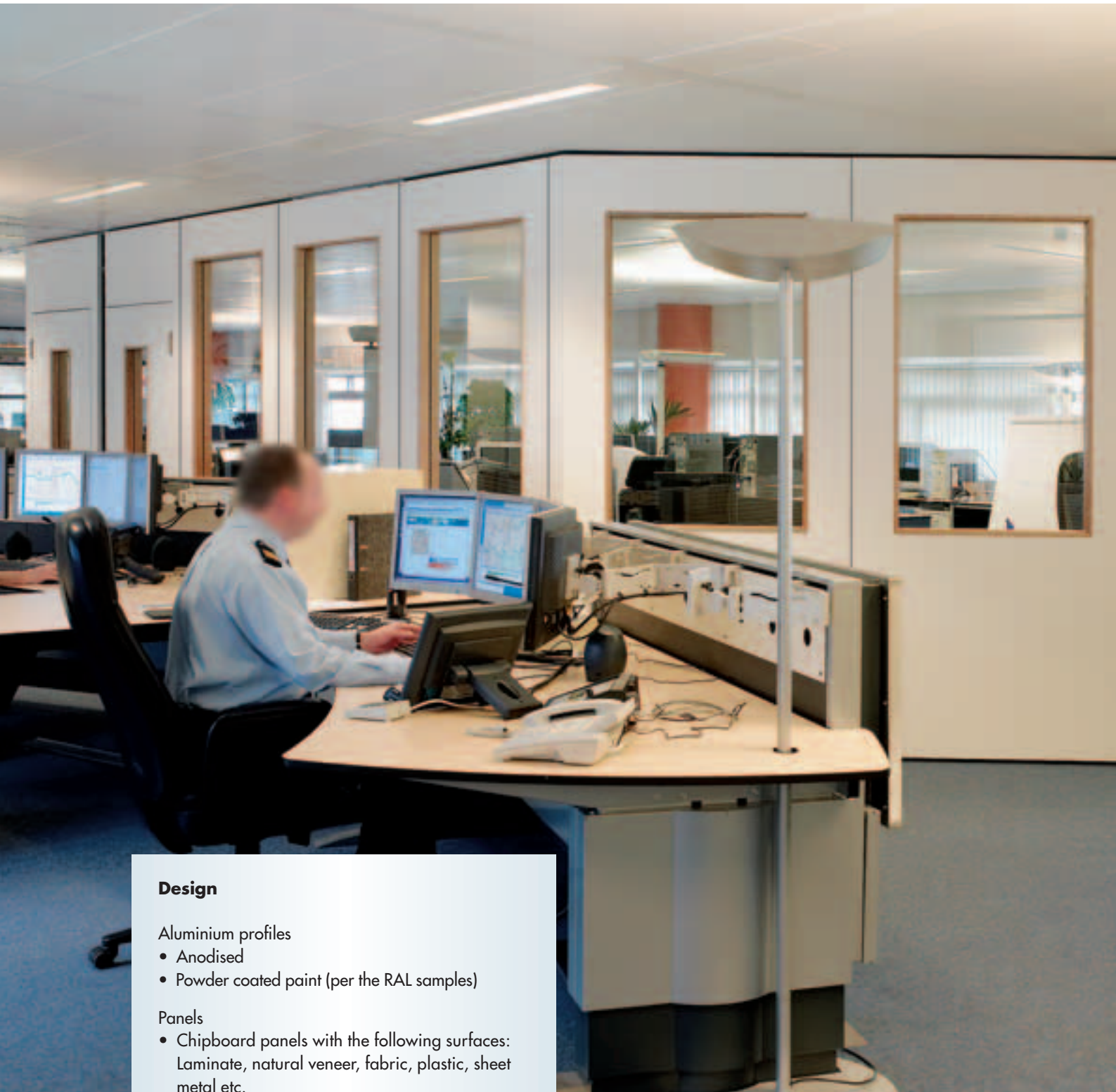
The advantages of Multiwal operable walls

- Extremely fast and simple changes in layout
- A wide range of glass, veneer and laminates
- A large variety of track systems
- Solid and glazed walls
- High sound insulation
- Strength and stability
- Fully automated wall options

Thanks to its features, Multiwal operable walls meet the highest demands on design and practical use.

Multiwal operable walls are supplied and installed by LIKO-S, a.s.

MULTIWAL operable walls



Design

Aluminium profiles

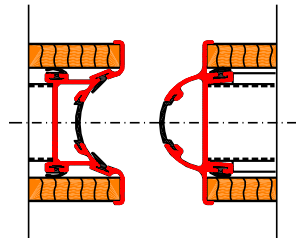
- Anodised
- Powder coated paint (per the RAL samples)

Panels

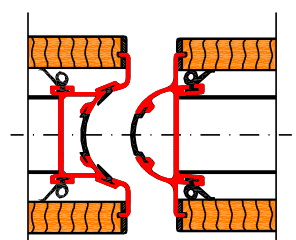
- Chipboard panels with the following surfaces: Laminate, natural veneer, fabric, plastic, sheet metal etc.
- Chipboard panels combined with glass elements, using a range of glass and profile types
- Depending on requirements, it is possible to supply special acoustically adjusted panels



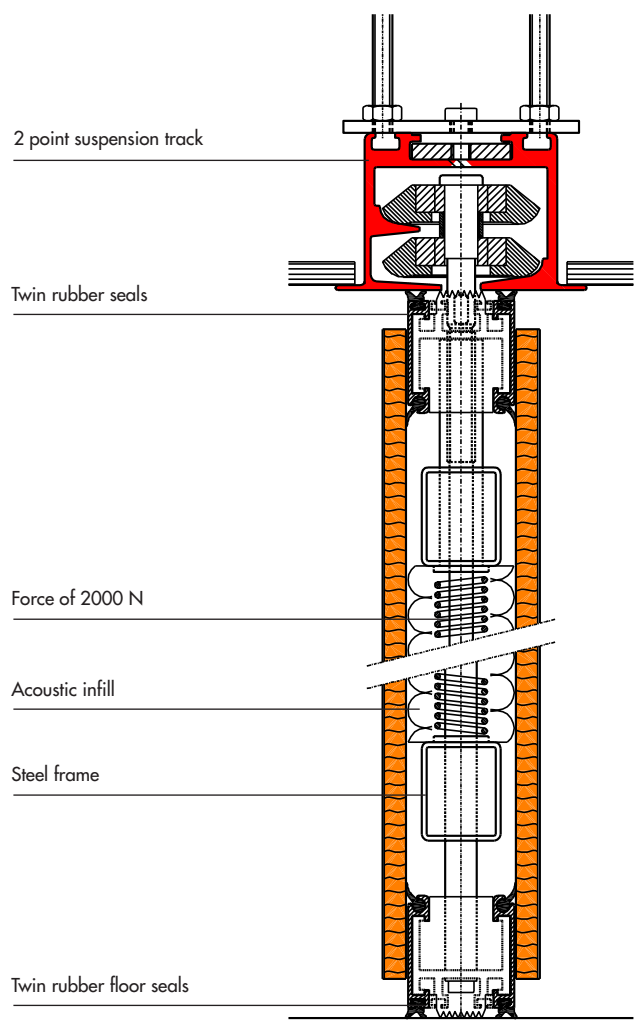
Panel connection with visible edge



Panel connection with concealed edge



Panel cross section



MULTIWAL operable walls



From design to execution

We offer the users of Multiwal operable walls:

- Design solutions and project consultations
- Complete project execution
- Installation work that won't disrupt the running of your business
- High quality after sales service

After Sales Service

- **Round the clock service hotline**
606 702 175

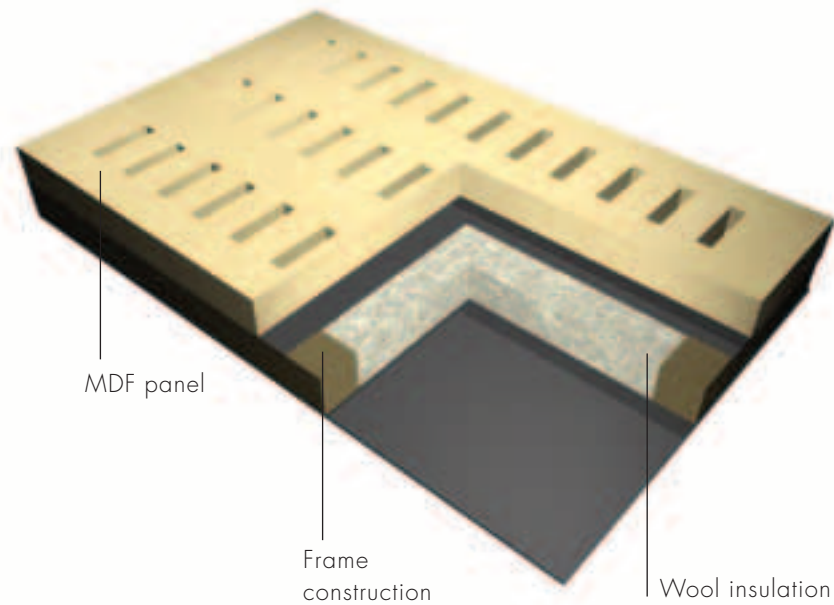


MULTIWAL operable walls

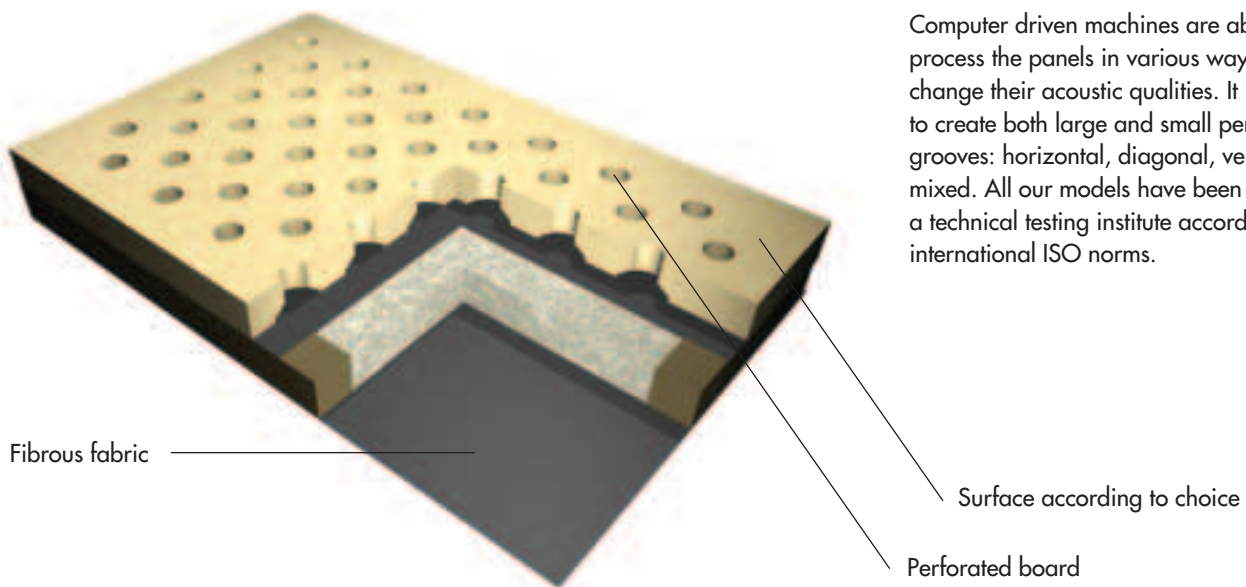




Acoustics



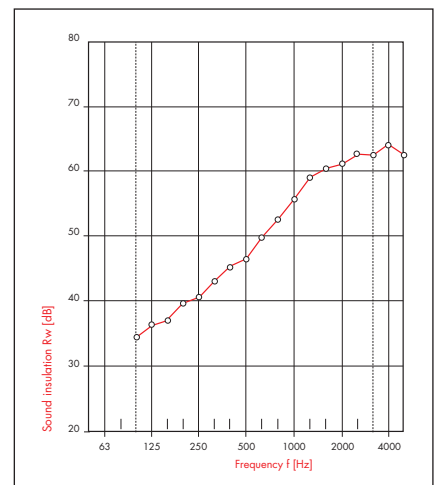
Good spatial acoustics are vital in concert halls, theatres, cinemas and conference spaces. However, so that people can communicate amongst themselves in comfort and without stress, acoustics are also very important in shopping centres, restaurants and offices. People need to be able to understand each other without being disturbed by echoes or strong background sounds. Multiwal has a suitable solution for every space.



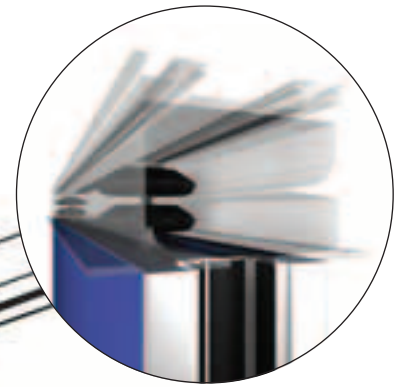
Computer driven machines are able to process the panels in various ways, and so change their acoustic qualities. It is possible to create both large and small perforations or grooves: horizontal, diagonal, vertical or mixed. All our models have been tested in a technical testing institute according to international ISO norms.

Peace and Quiet on order

It is not only the visual effect that is important in the effective division of a room, but also good sound insulation. Multiwal has paid a great deal of attention to this through the development of special components and quality control. All our models have been tested at the TNO (technical testing institute) at the Technical University of Delft. The tests showed that sound absorption values of 55 dB were achieved, values of which most modern non-operable walls would be proud. Test reports are available for all Multiwal models.



Construction details



1. Rollers

The carriages specially manufactured for Multiwal operable walls are fitted with high-quality rollers. In combination with the special aluminium track, they allow the walls to be moved with the greatest of ease.

2. Frame

The specially developed and patented Multiwal aluminium and steel sections provide, in combination with the independent attachment of the panel cladding, excellent rigidity and good insulation properties.

3. Panels

Thanks to the use of high quality chipboard panels, optimal sound insulation is created with the lowest possible weight. If required, panels from other materials can be supplied. The independent attachment of the panels allows for their easy exchange.

4. Corner seals

The specially developed conical corner sections that fit perfectly into each other ensure optimum sound insulation and a high degree of stability.

5. Vertical seals

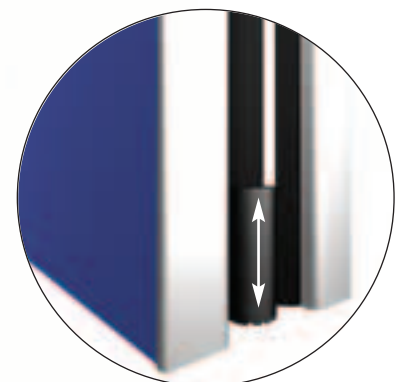
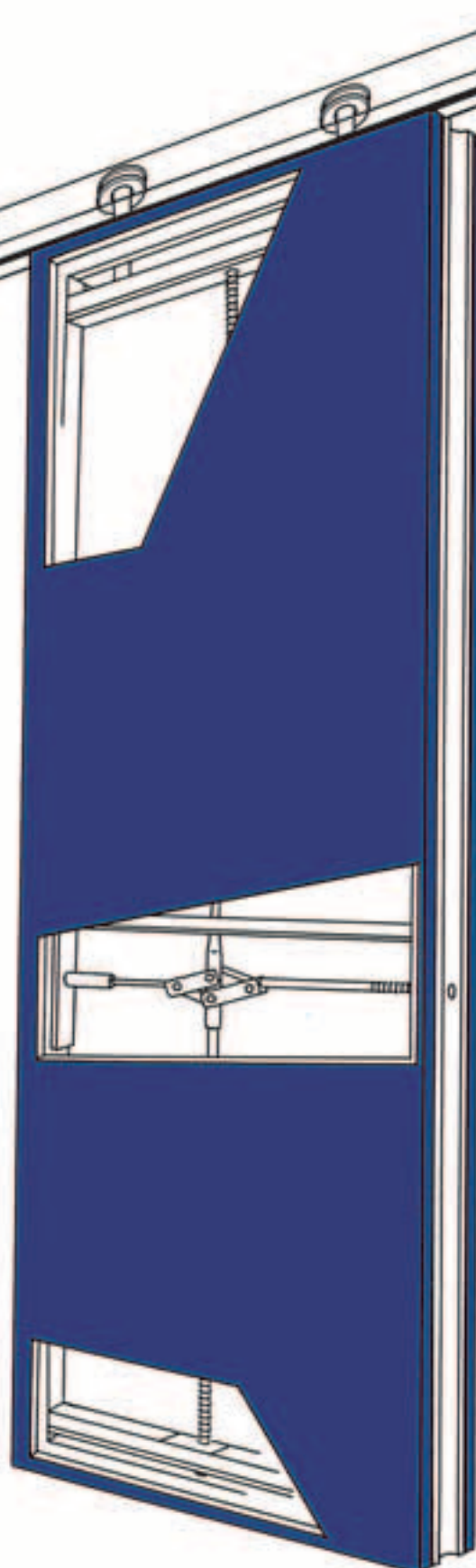
Conical aluminium sections guarantee an effective seal with excellent insulation. This strong centralised join between the elements is obtained by means of the multiple use of magnetic strips along the length of the sections (with an attractive force of 70 N per metre strip).

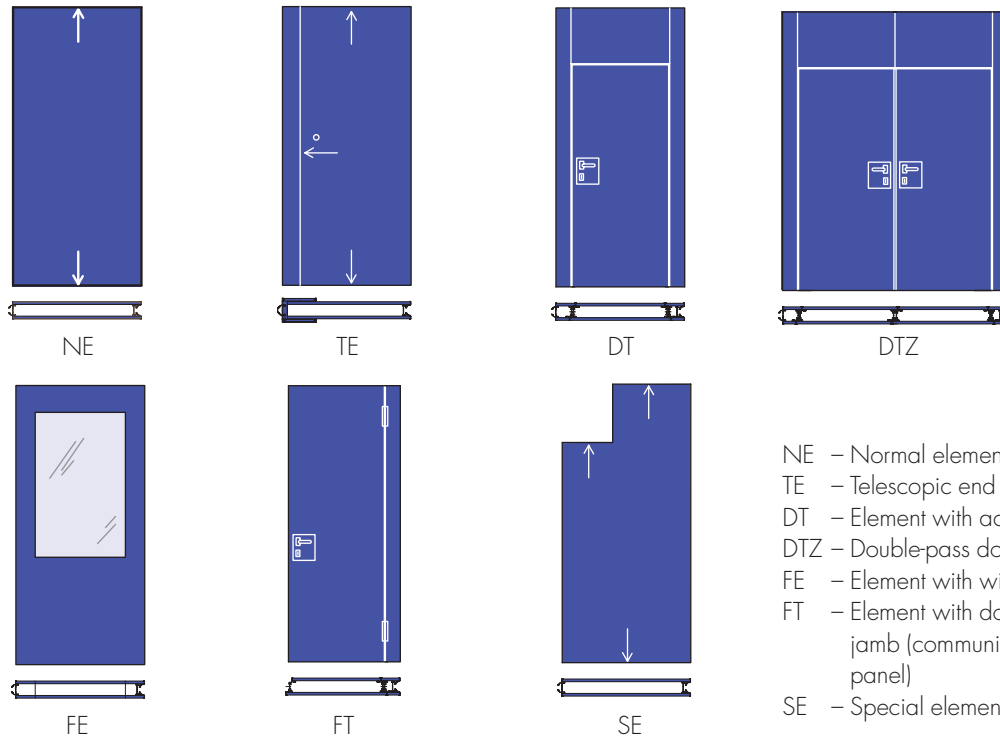
6. Operating handle

Used to open and close the wall's seals.

7. Horizontal seals

An optimum sound insulation is obtained from black-anodised extendable aluminium pressure bars with double elastic sealing rubbers that press against ceiling and floor and accommodate any differences in level.





- NE – Normal element
- TE – Telescopic end panel
- DT – Element with access door
- DTZ – Double-pass door element
- FE – Element with window
- FT – Element with door, fixed jamb (communication panel)
- SE – Special element

Technical Specifications	Compact 80 U	Select 100 U/Select 100 K	Select 138 K
Dimensions			
Thickness of element, mm	80 mm	100 mm	138 mm
Height of element, mm*	2000–3 700 mm	2000–15 000 mm	2000–10 000 mm
Width of element, mm*	600–1260	600–1260	600–1260
Construction			
Frame	aluminium	aluminium/steel	aluminium/steel
Panels	12 mm, self supporting	16/19 mm, self supporting	19 mm, self supporting
Vertical sections	Plain anodised aluminium section fitted with integrated magnetic strip and internal sealing lips	Plain anodised aluminium section fitted with integrated magnetic strip and internal sealing lips	Plain anodised aluminium section fitted with integrated magnetic strip and internal sealing lips
Finish	5 mm aluminium profile visible between closed panels	Select 100 U – 5 mm aluminium profile visible between closed panels Select 100 K – 5 mm aluminium profile not visible between closed panels	aluminium profile not visible between closed panels
Operation	Manual	Manual	Manual
Electrical control		Semi-automatic Fully automatic	
Join in external panels			
Doors	1 or 2 pass doors	1 or 2 pass doors	1 or 2 pass doors
Insulation			
(Tested by technical testing institute) according to ISO 717 – DIN 52210	Sound insulation 36, 38, 41, 44 and 46 dB	Sound insulation 43, 48, 50 and 52 dB	Sound insulation 55 dB
deviation of standard min. and max.elements. Dimensions available on request. Option to powder coat aluminium sections with RAL colours			

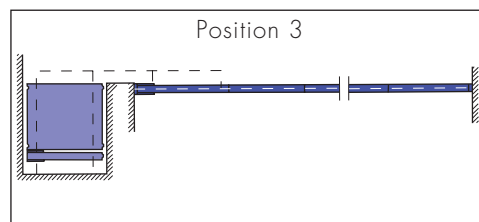
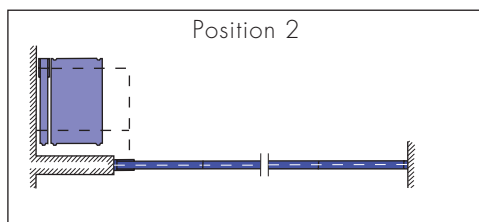
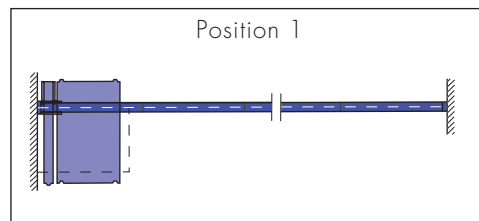
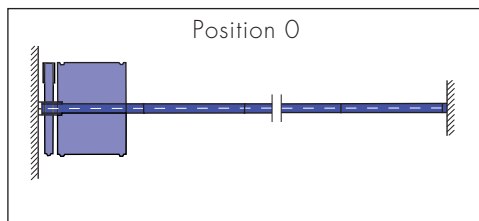
Fire protection

The safety of your employees, your business data and equipment is key to us. That is why all of our panel systems are also available with a fire proof finish.



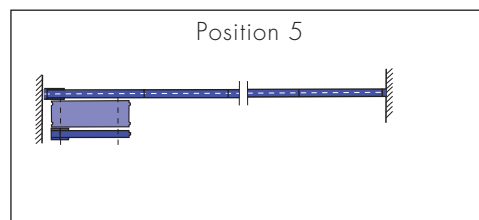
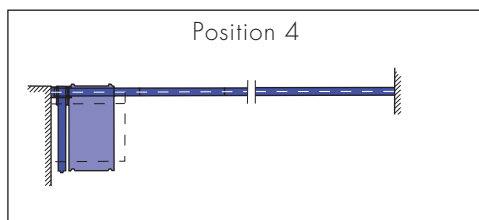
Easy parking and movement

Multiwal has used its decades of experience in operable walls to create a number of different Tracks. Multiwal is able to fulfill practically every demand made by the user. The types of track shown are used for all Multiwal models and should be attached before the installation of the suspended ceiling. The noiseless carriages are fitted with quadruple ball bearings.



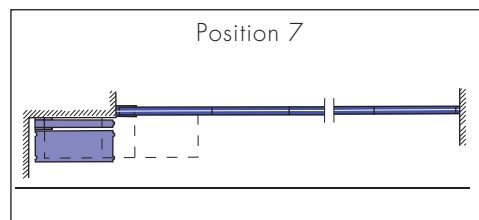
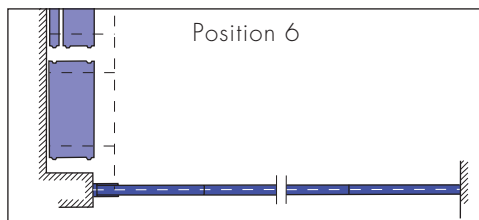
Single point suspension

Each element is suspended on one carriage, thus making possible any rotation without the use of an ancillary track.



Two point suspension

Each element is suspended on two carriages, thus making it possible to move the panels into any required parking position using an ancillary track.

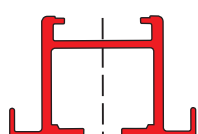


The carefully balanced construction and the high precision tracks allow for effortless manual movement of Multiwal operable walls. Of course the ultimate ease of comfort will come with the use of electrical control. Multiwal operable walls have two kinds of electrical operation, „semi-automatic“ and „fully automatic“.

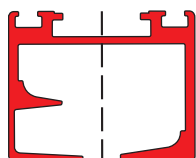
Semi-automatic: The elements are moved and positioned manually. The electrical controls then automatically close the horizontal seals with floor and ceiling.

Fully automatic: The simple press of a button is enough to move the panels into a previously programmed position and close the horizontal seals between the floor and ceiling.

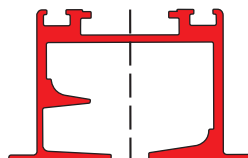
Tracks for wall elements



MA for single point suspension

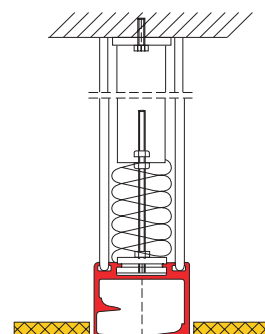


MR for two point suspension



MR-1 for two point suspension

Suspension construction





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