



MOVABLE WALL SYSTEMS.

A FLEXIBLE SOLUTION FOR EVERY SPACE.

PALACE

A FLEXIBLE SOLUTION FOR EVERY SPACE

Our products help to expand the imagination of designers. This applies especially to the development of flexible space-saving solutions for hotels, congress and convention centers, schools, restaurants, shopping centers and commercial buildings. Our greatest strength is our ability to deliver custom work. The Palace series, especially, is proof of this: a durable movable wall that is extremely easy to operate. In addition to our standard models Palace 80, 90 and 110 we offer many other possibilities, all of them functional and fire-resistant, if required. The design can be tailored seamlessly to your project.

For instance, if you wish to divide a room without any loss of sound insulation and transparency, our latest model Transpalace may offer the best solution.

Every square metre of your area to be divided can be used as efficiently as possible. We offer durable and quickly realisable solutions for every work or meeting place. Of course, we also offer optimal support; not only during the design and construction process, but afterwards as well.





In no time at all, Palace will enable you to divide a large space into smaller units. Thanks to our extensive experience with bearing technology and the rolling properties of a variety of different materials, we can find a high-quality, durable rail and trolley construction for every application that will also ensure an optimal ease of operation. (Floor guidance mechanisms will not be an obstruction to your floor.) Stability as well as perfect sound insulation: two typifying characteristics of Palace walls. The spindle mechanism and the so-called acoustic pressure sleeves secure the different panels firmly between the floor and the track. In addition, the parking possibilities are virtually unlimited.



Plaza Athena Hotel, Bangkok, Thailand





PALACE 80

- sound insulation from 36 to 44 dB Rw
- maximum height 3.05 metres
- stable and self-supporting frame construction
- enormous flexibility thanks to a broad range of panel

Models

- standard version with covering profiles
- very easy to operate due to light construction
- high-quality track and trolley system

For many types of users, the Palace 80 may very well be the ultimate solution for creating more space and flexibility.

This movable wall with a panel thickness of only 80 mm will guarantee an optimal ease of operation with only the slightest loss of space. The favourable cost aspect also makes it an excellent alternative. Furthermore, the Palace 80 proves that a slim construction does not affect the stability and sound insulation.

The trolleys of this wall are suspended on metal bearers running horizontally through the panel. The result is a self supporting structure.





PALACE 110

- sound insulation of 37 to 57 dB Rw
- durable and stable metal construction
- possible heights of more than 15 metres
- optimal flexibility, curved walls and tracks possible
- available in a fire-resistant model of up to 30 and 60 minutes
- available in a broad range of finishes
- high-quality track and trolley system
- semi-automatically operated top & bottom seals possible





















PRESIDENT

An enormous degree of user-friendliness and an extensive range of options as to design and finish are among the President's greatest advantages. In addition to design, we also pay a great deal of attention to user-friendliness.

- completely transparent partition
- height up to 3.5 metres
- curved segmented models available
- virtually unlimited choice of options in pattern and design
- high-quality track and trolley system
- extremely durable clamping construction without necessity of drilling the glass
- profiles and track available in several colours





CLEAR OPTIONS FOR EVERY SPACE

Movable glass walls offer a variety of applications: in shops, hotels, cafes and restaurants and government, banking and insurance buildings, for instance. The President series makes it easy for you to create privacy, while its transparency and open look and feel will allow the space itself to remain intact. Thanks to its slim construction, this functional and stable wall will take up only a remarkably small amount of space in a parked position.

From shopping-arcade to reception area: the President is stylish and will let in plenty of light. For additional privacy, the glass can be etched, sandblasted or decorated with

foil. Your company logo, texts and entire designs can also be added. Because we develop and produce the President series completely under its own management, there's practically no limit when it comes to turning creative ideas into practical solutions. A selection can be made, for instance, between straight and curved, as well as segmented panels. Let your imagination run free and discover, with the help of our consultants, which movable glass wall will be shown to its best advantage in your project!

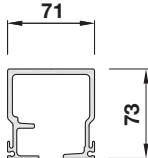
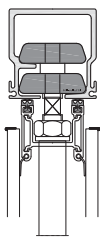
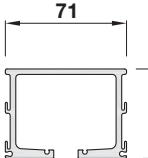
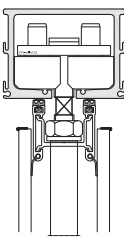
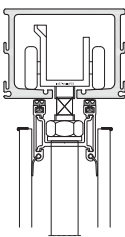
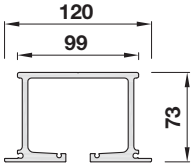
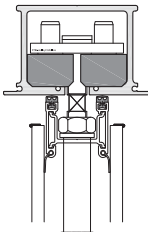
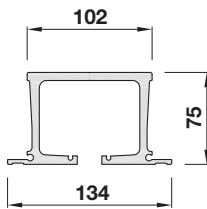
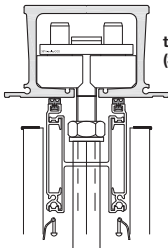
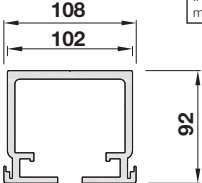
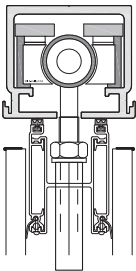
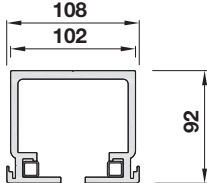
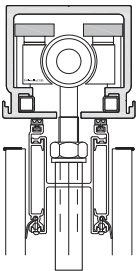
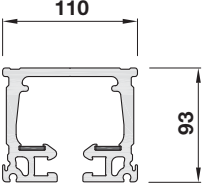
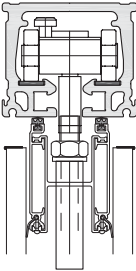
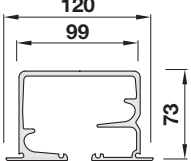
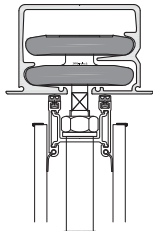


ADVANTAGES OF A WELL ENGINEERED DESIGN

Perfection to even the tiniest details: that's one of our typifying characteristics. From raw materials and a perfectly monitored production process to finished products of the finest quality. Our standard options include an extensive choice of glass types and finishes. Regardless of whether your interior is dominated by light or dark colours: the aluminium parts of our President series are available in nearly every colour imaginable. An important detail: the glass panels of the President series have been developed so that vertical aluminium profiles will not be necessary. So no matter where your wall is to be installed, you can always choose an unbroken design without the obstruction of unnecessary frames. Clarity and transparency are among our highest priorities.

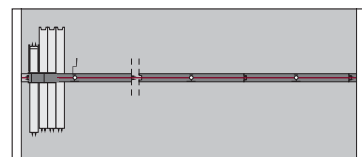




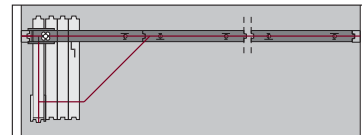
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<div data-bbox="172 817 256 857">track 2c baan 3478</div>  <div data-bbox="683 817 767 857">trolley silent baan 3784</div>  <p>track 2c (or 2) & trolley CG2 - "silent" Cross Guidance (CG) only Maximum load: 175 Kg per trolley / 350 Kg per element (Maximum advisable opening height 3100 mm)</p>	<div data-bbox="818 817 903 857">track 2rc (3218)</div>  <div data-bbox="1350 817 1434 857">trolley 2cg (3076)</div>  <p>track 2rc & trolley CG2 Cross Guidance (CG) Maximum load: 275 Kg per trolley / 550 Kg per element (Maximum advisable opening height 5500 mm)</p>
<div data-bbox="172 1285 256 1326">track 3 baan 3310</div>  <div data-bbox="683 1285 767 1326">trolley CG3 baan 3315</div>  <p>track 3 & trolley CG3 Cross Guidance (CG) Maximum load: 225 Kg per trolley / 450 Kg per element (Maximum advisable opening height 7200 mm)</p>	<div data-bbox="874 1285 959 1326">track 3,5 baan 2188</div>  <div data-bbox="1361 1276 1501 1339">trolley CG3,5 baan 3691 (solid steel wheels)</div>  <p>track 3,5 & trolley CG3,5 Cross Guidance (CG) Maximum load: 275 Kg per trolley / 550 Kg per element (Maximum advisable opening height 7200 mm)</p>
<div data-bbox="172 1733 256 1774">track 9 baan 3213</div>  <div data-bbox="691 1733 775 1774">trolley FG4 baan 3519</div>  <p>track 9 & trolley FG4 Forced Guidance (FG) Maximum load: 800 Kg per trolley / 1600 Kg per element (opening heights > 7200 mm)</p>	<div data-bbox="874 1733 959 1774">track 5 baan 3493</div>  <div data-bbox="1366 1733 1450 1774">trolley CG5 baan 3495</div>  <p>track 5 & trolley CG5 Cross Guidance (CG) or One point Guidance (OG) Maximum load: 175 Kg per trolley / 350 Kg per element (Maximum advisable opening height 4200 mm)</p>

TECHNICAL INFORMATION

Parking examples

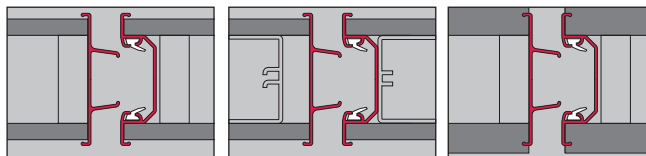


One point suspension OG



Two point suspension, forced guidance, FG

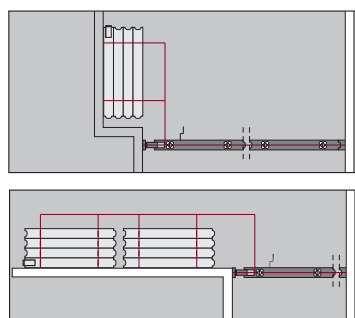
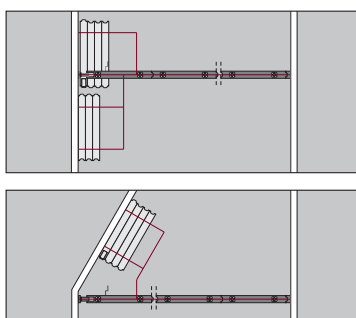
Cross sections of panel joints



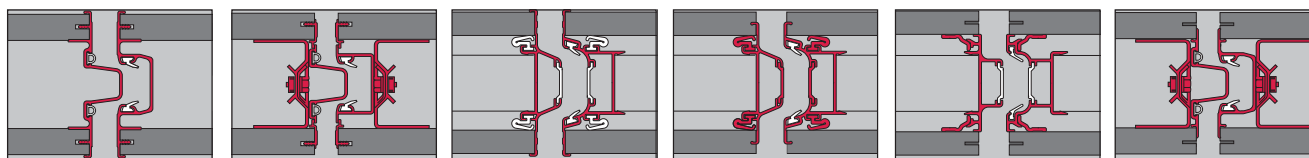
Type	80	Transpalace	90
Panel thickness	80 mm	80 mm	90 mm
Panel height	1500-3050 mm	1500-3050 mm	1500-4000 mm
Panel width	600-1240 mm	600-1240 mm	600-1240 mm
Frame construction	aluminium / wood	aluminium	aluminium / wood
Board material	10 mm, carried by the construction	10 mm safety-glass carried by the construction	18 mm, carried by the construction
Fire safety	optional fire-retardant class B1/M1	optional fire-retardant glass	optional fire-retardant class B1/M1
Vertical profiles	aluminium, anodized, with sealing profiles	aluminium, anodized, with sealing profiles	aluminium, anodized, with sealing profiles invisible when wall is closed
Pressure sleeves	aluminium, black with double sealing profiles	aluminium, black with double sealing profiles	aluminium, black with double sealing profiles
Operation of pressure sleeves	manual	manual	manual
Doors	single door in panel or fixed single door	single door in panel or fixed single door*	single door in panel or fixed single door
Sound insulation	36, 40, 42 and 44 dB Rw	44 dB Rw	37, 40, 42 and 45 dB Rw
Weight (depending on sound insulation value)	approx. 20 - 37 kg/m ²	approx. 65 kg/m ²	approx. 31, 33, 43 and 58 kg/m ²

The dB-values have been measured according to ISO 140, Rw value established according ISO 717.
Test reports available on demand.

* Door elements not in glass, will be solid



Two point suspension, cross guidance, CG (4 x)



110	110 I	110 S	110 SI	110 S F30	110 F60
110 mm 1500-5500 mm 600-1240 mm steel / aluminium	110 mm 1500-5500 mm 600-1240 mm steel / aluminium	110 mm 1500-15000 mm 600-1240 mm steel / aluminium	110 mm 1500-15000 mm 600-1240 mm steel / aluminium	110 mm 1500-15000 mm 600-1240 mm steel / aluminium	110 mm 1500-3450 mm 600-1240 mm steel / aluminium
18-20 mm, part of the construction	18-20 mm, part of the construction	14-18 mm, carried by the construction	14-18 mm, carried by the construction	14-18 mm, fire-retardant class B1/M1, carried by the construction	18-20 mm, fire-resistant class A2, part of the construction
optional fire-retardant class B1/M1	optional fire-retardant class B1/M1	optional fire-retardant class B1/M1	optional fire-retardant class B1/M1	30 minutes fire-resistant	60 minutes fire-resistant
aluminium, anodized, with sealing profiles	aluminium, anodized, with sealing profiles, invisible when wall is closed	aluminium, anodized with magnetic strips and sealing profiles	aluminium, anodized with magnetic strips and sealing profiles, invisible when wall is closed	aluminium, anodized with magnetic strips, sealing profiles and fire protecting strips invisible when wall is closed	aluminium, anodized with sealing profiles and fire protecting strips invisible when wall is closed
aluminium, black with double sealing profiles	aluminium, black with double sealing profiles	aluminium, black with double sealing profiles	aluminium, black with double sealing profiles	aluminium, black with double sealing profiles and fire resistant strips	aluminium, black with double sealing profiles and fire resistant strips
manual	manual	manual or electrical	manual or electrical	manual	manual
single or double door in panel or fixed single door	single or double door in panel or fixed single door	single or double door in panel or fixed single door	single or double door in panel or fixed single door	single or double door in panel or fixed single door	--
38, 41, 43, 46 and 52 dB Rw	38, 41, 43, 46 and 52 dB Rw	37, 43, 45, 47, 50, 53 and 56 dB Rw	37, 43, 45, 47, 50, 53 and 56 dB Rw	37, 43, 45, 47, 50, 53 and 56 dB Rw	46 and 52 dB Rw
approx. 33-55 kg/m ²	approx. 33-55 kg/m ²	approx. 31-50 kg/m ²	approx. 31-50 kg/m ²	approx. 33-52 kg/m ²	approx. 45 kg/m ²

Other product versions and sizes on request.

We will be pleased to supply you with detailed (technical) information.

FIRE RESISTANCE

Parthos continually improve their products and invests heavily in product development.

The R&D department is always aspiring to the needs and desires of our customers and developing new solutions.

Also Parthos pays close attention to the European directives concerning fire safety of building products. Fire resistance of movable walls depends on the behaviour of the wall construction when subjected to fire.

Specifically spread of flame and thermal insulation are important criteria. Various tests (in accordance with EN 1364) with renowned Institutes have proved that Parthos is able to produce a movable wall, with integrated pass door, with a 30 minutes fire resistance. A reputation is established!

So when fire resistance is a must, you have the choice of the Parthos Palace supplied in EI30 or even EI60 classification.



SOUND INSULATION



The sound insulation of a movable wall is defined by International Standard Laboratory measurements in accordance with ISO 140-3.

In building practice however, there will never be an ideal laboratory situation. The sound insulation between two rooms will always be affected by the surrounding construction. Generally the sound insulation will deviate approximately 5 to 10 dB from the laboratory measurement. Sound waves will pass through and under flooring (carpet), through walls and windows, above suspended ceilings and through ventilation ducts. These aspects must all be taken into account when selecting the appropriate wall system and the required demands of the rest of the building. Adding integrated pass door(s) also affects the sound insulation. This, in combination with proper operation and maintenance of the wall, will define whether the desired sound insulation is achieved or not.

We will help you with pleasure! Through our long experience we can advise you at the design stage in order to improve the acoustics of your room.

PROJECT REFERENCES

PROJECT: SIAM PARAGON BANGKOK, THAILAND

Height: 12.5 meter
Square meter: 705 m²
Surface material: HPL
Palace: 110S, 50dB

Finished in November 2005



PROJECT: MARINA BAY SANDS, SINGAPORE

Height: 5.35 meter, 8.5 meter, 9.1 meter
Square meter: 27.500 m²
Surface material: Laminated, Vinyl
Palace: 110S, 50dB

Case:

- World's biggest single movable wall project
- 9.1 meter height 60 min FRD

Finished in January 2011



HÄFELE

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732.99.13020 - July 2013