

Sound insulation

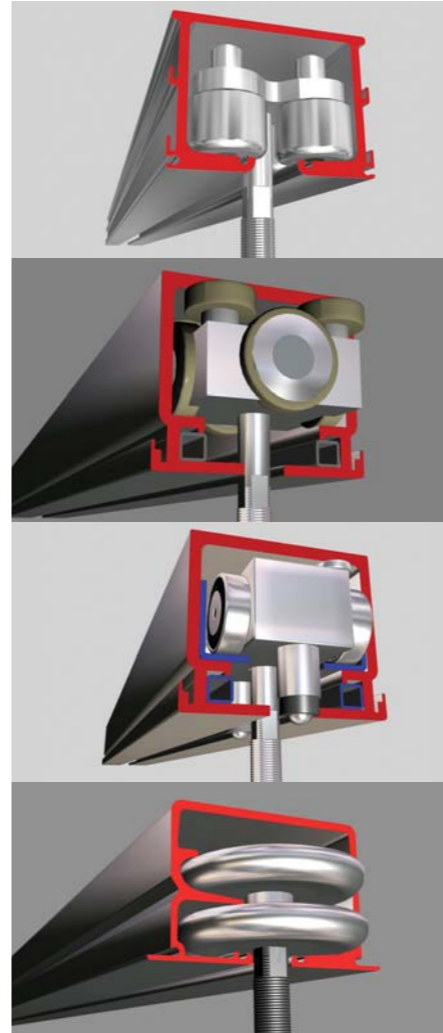
The sound insulation of a movable wall is defined by International Standard Laboratory measurements in accordance with ISO 140-3.

In building practice, the sound insulation between two rooms will always be affected by the surrounding construction.

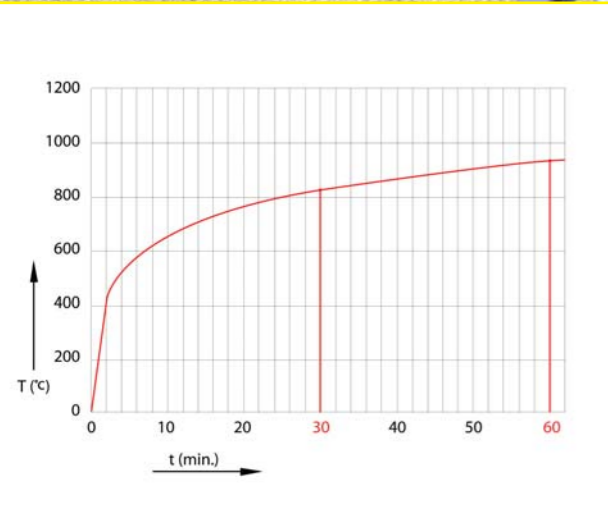
Sound waves will pass through and under flooring (carpet), through walls and windows, above suspended ceilings and through ventilation ducts.

Through our long extensive knowledge we can advise you at the design stage in order to improve the acoustics of your room.

We will help you with pleasure!



PRODUCT INFORMATION



Fire resistance

Parthos continually improves its products and invests heavily in product development.

Also Parthos pays close attention to the European directives concerning fire safety of building products. 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 60 minutes fire resistance.

So when fire resistance is a must, you have the choice of the Parthos Palace in either EI 30 or even EI 60.

palace
movable walls

PARTHOS

Product information



Adjusting panel



Standard panel



Wicket door panel



Double wicket door panel

Type	80	90	110	110 S	110 SI	110 SI EI30	110 SI EI60	Transpalace
Panel thickness	80 mm	90 mm	110 mm	110 mm	110 mm	110 mm	110 mm	100 mm
Panel height	1500 - 3050 mm	1500 - 4050 mm	1500 - 5000 mm	1500 - 15000 mm	1500 - 15000 mm	1500 - 15000 mm	1500 - 15000 mm	1500 - 3500 mm
Panel width	600 - 1240 mm	600 - 1240 mm	600 - 1240 mm	600 - 1240 mm	600 - 1240 mm	600 - 1240 mm	600 - 1240 mm	600 - 1240 mm
Frame construction	aluminium / wood	aluminium / wood	aluminium / steel	aluminium / steel	aluminium / steel	aluminium / steel	aluminium / steel	aluminium
Board material	10 mm, part of the construction	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	16 - 18 mm, fire retardant Class 1, carried by the construction	19 - 22 mm, fire retardant Class 1, carried by the construction	10 mm, safety glass carried by the construction
Fire safety	optional fire-retardant Class 1	optional fire-retardant Class 1	optional fire-retardant Class 1	optional fire-retardant Class 1	optional fire-retardant Class 1	30 minutes fire-resistant	60 minutes fire-resistant	-
Vertical profiles	aluminium, anodized, with sealing profiles	inlaid, aluminium, anodized, with sealing profiles	aluminium, anodized, with sealing profiles	aluminium, anodized, with magnetic strips and sealing profiles	inlaid, aluminium, anodized, with magnetic strips and sealing profiles	inlaid, aluminium, anodized, with magnetic strips and sealing profiles	inlaid, aluminium, anodized, with magnetic strips and sealing profiles	aluminium, anodized, with sealing profiles
Pressure sleeves	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	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	manual, or electrical	manual, or electrical	manual, or electrical	manual, or electrical	manual
Doors	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	single door in panel	single door in panel	single door in panel or fixed single door*
Sound insulation Rw	36 - 44 dB	37 - 48 dB	38 - 52 dB	37 - 57 dB	37 - 57 dB	45 - 56 dB	45 - 56 dB	46 dB
Weight (depending on sound insulation value)	approx. 20 - 37 kg/m ²	approx. 32 - 50 kg/m ²	approx. 33 - 55 kg/m ²	approx. 31 - 56 kg/m ²	approx. 31 - 56 kg/m ²	approx. 33 - 65 kg/m ²	approx. 33 - 75 kg/m ²	approx. 65 kg/m ²

The dB-values have been measured according to EN ISO 140-3 1995.
Test reports are available on demand.

Other product versions and sizes on request.
Your Parthos distributor will be pleased to supply you with detailed (technical) information.

*door elements not in glass



Palace 80



Palace 90 inlaid edges



Palace 110



Palace 110 S



Passdoor wall fixed, full height



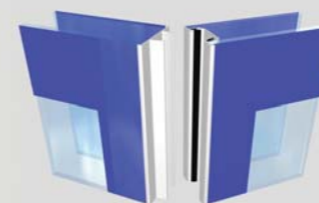
Panel with glass opening



Corner panel



Curved panel



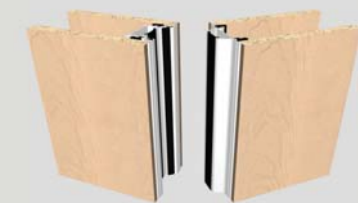
Transpalace



Palace 110SI EI60 inlaid edges



Palace 110S EI30 inlaid edges



Palace 110 SI inlaid edges