



MAXPARETE HSP operable and moveable sound-insulated partitions make it possible to divide spaces into various configurations. This is of high importance from a practical and economic point of view for hotels, restaurants, conference centres, educational and commercial buildings, universities, offices, residences etc. Thanks to the design of the soundinsulated elements, the smooth, silent and practical movement of the trolleys that glide only in the overhead guide and the high-tech components, **MAXPARETE HSP's** systems create the options for various space configurations according to the end-user needs. Various space options are therefore provided for meetings, workshops, videoconferences, training sessions, presentations etc. **MAXPARETE HSP** was also born to avoid the main source of indoor pollution: the noise. Combination of high sound proofing performances and innovative aesthetic solutions, **MAXPARETE HSP** operable partition is the perfect solution to live and work in liveable and pleasant places.



The R_w value for acoustic insulation is a fundamental aspect of movable soundinsulated walls and partitions. The vertical partitions are structures studied to answer to the growing demand for better acoustic performances, even to match with the needs of lightness and small overall dimensions. **MAXPARETE HSP** products are manufactured in accordance with strict construction and testing criteria to give a high level of quality as declared and guaranteed in the certificates. These characteristics also apply to our special products like access doors that are fitted within wall systems. Thanks to their characteristics, the operable partitions allow a sound proofing level from 40 dB up to 57 dB according to the types. Also the use of panels from Acoustic product line adds the possibility to improve the acoustic quality of a room (by means of a control over sound waves reflection and reverberation) to the acoustic performances of the partition itself.

Maxparete HSP consists of independent elements that slide by ball bearing trolleys in a track fixed to the ceiling. This system doesn't require floor tracks or floor attachments which are antiaesthetic and encumber the way. When closed the partition is perfectly aligned and sound proof. The sliding is warranted by one or two ball bearings high resistance trolleys at a very high resistance. Every element consists of a metal frame covered with high density chipboard panels 16/18 mm thick. These elements can be finished with a wide variety of finishings. Rubber seals to floor and ceiling are carried by aluminium mobile sections manually operated by a control placed in the vertical profiles or electronically operated by a control placed in the starting jamb. The rubber seals carried in aluminium section are compressed against the floor and the covering of the track in order to lock elements. The last element of the partition has one more moving telescopic mechanism, with a side sliding. This mechanism is manually operated by a control placed on a side of the panel itself or electronically as above. Pass doors of different measures may be fitted to any intermediate element (except for the telescopic closure element) of the **Maxparete HSP** manouvrable walls without altering the normal functionality.



The **MAXPARETE HSP** operable partition represents the ideal solution in order to dynamically close rooms high up to more than 10 meters, assuring a perfect sound proofing.

MAXPARETE HSP consists of independent elements which slide by ball bearing trolleys in a track fixed to the ceiling. This system eliminates floor guides or floor attachments which are antiaesthetic and encumber the way. When closed the partition is perfectly aligned and sound proof. The sliding is warranted by one or two ball bearing trolleys at a very high resistance. Every element consists of a metal frame covered with high density chipboard panels 16/18 mm thick. These elements can be finished with a wide variety of finishings. Continuous floor and ceiling seals consist of soft rubber seals carried in an aluminium section manually operated by means of a control placed on the rabbets. The rubber seals carried in aluminium section are compressed against the floor and the covering of the track in order to lock panels. The last element of the wall has one more moving telescopic mechanism, with a side sliding. This mechanism is manually operated by a control placed on a side of the panel itself.

Pass doors of different measures may be fitted to any intermediate element (except for the telescopic closure element) of the **MAXPARETE HSP** operable partitions without altering the normal functionality.

The materials used for the supply are tested according to UNI EN ISO 717-1 and UNI EN ISO 10140-2 standards. The test report (if demanded) is available within 30 days maximum prior to the delivery of the partitions, evidencing the conformity to the soundproofing requests and is attached to the transport documents.

The very high performance of **MAXPARETE HSP** sound proofing, the fire tests, the quality of the materials and of the productive process are verified and tested by the main European Laboratories.



Technical Characteristics

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| Thickness: | acc. sound insulation up to 50 dB - 106-110 mm. acc. sound insulation > 50 dB - 126 mm. |
| Sound proofing | 40 - 57 dB |
| Height: | up to 12.00 m |
| Finishings: | aluminium natural profiles |
| Panel surfaces: | raw standard chipboard to be covered by the customer |
| | raw melamine paper on fire-resistant chipboard |
| | standard colours melamine paper on fire-resistant chipboard |
| | standard colours High Pressure Laminate on normal or fire-resistant chipboard |
| | standard vinyl coverings on normal or fire-resistant chipboard |
| | wood coverings (Mahogany, Tanganika, Douglas, Elm, Mansonia, Ash, Pine, Oak, Teak, Chestnut and others on request) on normal or fire-resistant chipboard |
| Weight: | 45 - 70 kg/m ² acc. to the finishing and soundproofing level |
| Fire reaction | Class 1 (UNI 9174) - Class B,s1-d0 (EN 13501-1) |
| Resistance to Shocks | UNE 41956-1 compliant |

**ELEMENTS****STANDARD ELEMENT**

The standard element represents the typical element used to close the different rooms. Elements are locked in shut position by means of two movable elements which are simultaneously hand or electrically operated by a control inserted in the rabbet; the movable elements are pushed against the floor and the rail, so that the wall space is hermetically closed. The standard width of the elements is between 800 and 1200 mm (between 800 and 1250 mm in case of coverings in High Pressure Laminate). By request we can supply elements with greater width. For elements with 55 dB and 57 dB sound proofing thickness increases from 106 / 110 to 126 mm.

SELF-BEARING STANDARD ELEMENT

Once the element is put in position and locked, it can lighten his weight the overhanging structure. This way, the load-bearing structures are burdened by the elements weight only during sliding operations (i.e. only one element at a time). It is very important that each element is correctly placed in position perfectly perpendicular and aligned with others before locking. The standard width of the elements is between 800 and 1200 mm (between 800 and 1250 mm in case of coverings in High Pressure Laminate). By request we can supply elements with greater width. It is not possible to produce self-bearing expander elements and selfbearing elements with pass doors inserted.

EXPANDER ELEMENT

The opening and closing manoeuvres of the partitions are effectuated by means of the expander element, always installed laterally. This one is the first one to be unlocked when you need to open the rooms and stack the elements and the last one to be locked when you need to close the rooms. The expander element is produced in two versions - MONODIRECTIONAL and MULTIDIRECTIONAL - with variable width. For elements with 55 dB and 57 dB sound proofing thickness increases from 145 to 166 mm.

SINGLE PASS DOOR ELEMENT

Pass doors may be fitted to any intermediate element except for the telescopic closure element. The elements where we can insert a pass door have a fixed width of 1220 mm and allow a pass door wing of 900 with an height of 2120 mm. The thickness of the pass doors is 106 mm. By request we can supply elements with special measures. This type of elements is not available in 55 and 57 dB versions.

DOUBLE PASS DOOR ELEMENT

For the series with double ball bearing trolleys we can also supply a double pass door. This couple of elements has a standard total width of 2140 mm or 2340 mm and allows the insertion of 1800 mm doors with an height of 2120 mm. Pass door thickness is 106 mm. By request we can supply elements with special measures. This type of elements is not available in 55 and 57 dB versions.

PASS DOOR ELEMENT INSERTED IN THE WALL

In order to guarantee the passage between two or more rooms partitioned by **MAXPARETE HSP**, we can produce a pass door element inserted in the wall. This type of element has no trolleys and is laterally fixed to one of the existing walls. This pass door element is 3000 mm high maximum and with a wing 106 mm thick and 900 mm maximum width. This type of elements is not available in 55 and 57 dB versions.

TRACKS

Tracks are in EN AW 6005/A high resistance aluminium. The manoeuvre of the elements is easy and you can do it without effort. The ball bearing trolleys slide with precision in the aluminium track. The different typologies and the different utilization ways of the tracks are shown here below:

TRACK TYPE 100

Suitable for monodirectional stacking scheme, utilizing 1 trolley type 10 for heights up to 3,5 m

**TRACK TYPE 800**

Suitable for multidirectional stacking scheme, utilizing 2 trolleys type 80 for heights up to 6,5 m

**TRACK TYPE 1000**

Suitable for multidirectional stacking scheme, utilizing 2 trolleys type 1000 for heights from 6,5 m up to 12 m

