

## >SPECIFICATIONS FOR MOVABLE SOUND-INSULATED WALLS

Supply of no.  movable sound-insulated walls model ANAUNIA® PMI A360 Rw=36dB – A400 Rw=40dB – A430 Rw=43dB – A460 Rw=46dB – A490 Rw=49dB – A500 Rw=50dB – A520 Rw= 51.6dB – A580 Rw=58.1dB composed of independent sound-insulated elements operated singly. Rw acoustic insulation index approved in conformity with DIN 52210 part 3 or UNI EN ISO 140/32: and UNI EN ISO 717/1, laboratory tested and issued with an ACCREDIA certificate.

Wall width  cm. Height between finished floor and underside of guide  cm. Height between finished floor and load-bearing structure  cm. Total number of elements , plus an initial jamb and a final compensating buffer. Thickness of elements 106  mm., mod. . Thickness of elements 148  mm. only for mod. PMI 580.

### Construction details:

Elements composed of a steel frame with vertical tongue and groove profiles in aluminium alloy 6060 according to UNI EN 573 and UNI EN 755-2 standards, silver coloured and anodized to a thickness of 15 microns with a double rubber seal. The element interspace is filled with recyclable sound-insulating rock wool, glass wool or micro-cellular neoprene according to the different levels of insulation required. Acoustic insulation between floor and guide is maintained by means of a silver-coloured telescopic border in aluminium with a rubber seal applied to each element top and bottom. The telescopic mechanism has a thrust force of 1500 N on each element, in this way partially relieving the load-bearing structure of the weight of the wall. The mechanism enabling each border to expand up to 25 mm. is operated by an extractable handle to be inserted into the side of each panel. On the telescopic element the handle is inserted frontally. This element not only has expanding upper and lower borders but also a vertical compensating buffer which protrudes up to 120 mm., with a thrust force of 1500 N, along the whole height of the modular element, so ensuring the total horizontal and vertical closure of the wall. The thrust mechanisms are equipped with springs to compensate for any eventual settling of the structure.

### Guides fixed solely to the ceiling:

In aluminium alloy EN-AW 6005 T6, anodized to a thickness of 20 microns, 108 x 76  mm. or 108 x 88  mm. according to the weight of each element, with winged supports for an eventual false ceiling or guide covering.

Each element is suspended from the guides by 1 or 2 highly resistant steel supporting bolts of 12 mm. in diameter which are inserted into one or two sliding trolleys in a special noiseless resin, 50 mm. or 62 mm. in diameter according to the type of guide. They are on a vertical axis and contain two radial ball-bearings. The trolleys are fitted with a special device which ensures smooth movement along the guide rail over deviations and intersections. Each element of the wall can be regulated in height without needing to remove the false ceiling. The system of vertical regulation of each element is independent of the supporting bolt so it is possible to maintain, over time, a constant positioning of the partition without insurgence of any defective alignment horizontally or vertically. The element storage system is as shown on the attached technical drawing. A system of lowering the guide rail up to 40 cm. between guide and load-bearing structure is supplied.

### Supporting structure and complementary items:

Supply of a system of lowering the guide rail  over 40 cm. from the load-bearing structure.

Supply of beam/lattice beam supporting the guide  in the absence of a load-bearing structure.

Acoustic baffle between guide and load-bearing ceiling: in plasterboard , similar to room wall .

Report on load-bearing structure calculations signed by an authorized engineer .

### Optionals:

No.  single-leaf door elements 900 x 2100 mm.

No.  double-leaf door elements 1800 x 2100 mm.

No.  single-leaf doors with glass

No.  fixed doors hinged to room wall

No.  red anti-panic push bar

No.  corner elements

No.  T-shaped elements

No.  cross-shaped elements

No.  elements with glass

Doors inserted into elements have the same thickness as the wall, three hidden hinges each and a handle set into a cup-shaped recess. The lower edge has a double gillotine seal. The handle locking the door element into place is inserted into a socket in the back of the element. When the element is in movement the door is automatically blocked. The lower edge of the element has two bolts which fit into two corresponding sleeves fixed into the floor, to guarantee exact positioning.

### External panelling and surface finishing:

On both sides with chipboard panels fixed on to the element frame, maximum width 120 cm. joins every 300 cm. and CE certification. Reaction to fire Class 1 (ONE), density 730 Kg/m<sup>3</sup> class E1 (low emission of formaldehyde), thickness 16 mm , locked into position on the element frame, sound-insulated and able to be regulated in height independently of the frame by means of special screws.

Panels with fire reaction rating 0 (ZERO), with CE certification .

In standard melamine laminate in white , ivory  thickness 0.2 mm.

In standard CPL laminate in white , ivory  thickness 0.4 mm.

In HPL laminate thickness 0.9 mm.  finished in colour series , imitation wood series , brilliant paint finish 25 Gloss colour RAL , Pantone  other finish sample  covering material supplied by the client, type .

### Complementary services:

Prices are inclusive of executive project.

Site inspection, transport and expert installation of the guide and wall provided on request.

### Optional version PMI semi-automatic:

No.  PMI walls with automatic opening and closing movement of the borders between floor, guide rail and vertical wall jamb operated by a mecatronic system. Tension of 24 Volts is activated by a selector with key and push button situated near the telescopic element.

### Optional version PMI REI 60-90-RE 120:

No.  REI 60-90-RE 120 movable walls composed of modular sound-insulated elements, singly operated with fire resistance in compliance with the Home Office Circular no. 91 of 14th September 1961.

On request it is possible to have certification of the wall fire resistance rating on a CERT, REI 2008 form signed by an authorized engineer, as required by law 818/84.

**Total price not inclusive of VAT €** \_\_\_\_\_

## 2.1.0 PMI