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| SpecificationMovable partition wall HUFCOR type 100/100K The movable wall comprises of a head track and Individual panels that are joined to form a fixed wall.  Type 100: 113 mm (up to 54dB Rw) or 119 mm (only 57dB Rw).  OR  Type 100K: 97mm (N/A for 57dB Rw).  Panels are aluminium frame construction. Fitted with 16mm or 19mm chipboard boards, according to the formaldehyde guidelines emission class E1.  **Panel edge profiles**  Type 100: Concealed panel edge trims. When the panels are joined, they form a shadowgap detail.  **OR**  Type 100K: Exposed panel edge trims (aluminium) all round 13mm.  **Aluminium pressure bars**  Extendable/retractable top and bottom acoustic seals. Operated by a removable handle with self-regulating pressure equalizing springs. Spring-mounted sealing strips for automatic compensation of floor level variations (+/- 6mm). Seal contact pressure up to 1500N to ensure lateral stability and an efficient acoustic seal.  **Ease of operation**  To ensure a quick opening/closing of the movable wall, only a 1/2 lever rotation is required per panel to operate the seals. The seal operating mechanism is also designed to ensure the seals are either fully extended or fully retracted. They cannot be partially set as in the case of crank-operated ‘scissor jack’ style sealing systems.  **Optional: Semi-automatic top/bottom seals**  When setting up and dismantling the partition wall system, the top/bottom seals and the sleeve of the telescopic panel are operated by an electric motor. The power is supplied from panel to panel via high level electrical contacts. The connection of the system is provided via a plug-in power supply and master switch. The system utilizes electronic overload relays to ensure the seals are set correctly.  The system operates at 36 volts to ensure a low voltage loss over the distance and ensuring the function of the seal motors. The use of low voltages also ensures the system is safe for the operators.  **Panel connections**  Vertical profile in anodized aluminium (E6/EV1). Painted profiles are available at additional costs. Black plastic male/female full-length profiles fitted into the aluminium vertical sections to provide a deep, stable and soundproof panel joint. Magnetic strips with 40 N/m in the plastic profiles for centering the panels to each other and to ensure the panels hold together.  **Wall abutment connections**  Variable depending on the perimeter wall construction and the panel arrangement.  **Track**  Aluminium extruded track, RAL 9010 (white) or E6/EV1 (silver anodized) as standard, other colours are available at additional cost.  Depending on the track type and ceiling design, different ceiling trim sections are available in matching colours.  Plastic-coated roller trolleys to ensure easy and low-noise movement of the panel in main axis and parking areas.  Static safety of the track system for use (function of room separation) in conjunction with DIN 4103-1 or DIN EN 1991-1-1 and DIN EN 1991-1-1 NA and static proof for the transport case.  **Panel suspension**  1-point suspension, ball bearing twin roller trolley made of steel and highly abrasion-resistant plastic, wear-free. No bottom tracks.  2-point suspension, ball bearing two-disc roller trolley made of steel and highly abrasion-resistant plastic, wear-free, easily movable in all directions in junctions. No bottom tracks.  **Height adjustment**  Each panel is height adjustable on site which allows readjustment of the panels without opening the ceiling. A variation in floor to head track height of +/-6mm can be accommodated with standard panels.  **Steel suspension**  Hanging brackets manufactured from corrosion protected steel with alternative brackets for fixing to different substrates. The hangers provide height adjustment to allow the onsite leveling of the head tracks and for voids above 600mm, sway bracing systems can be provided.  **Void barriers (generally by others unless specifically included)**  Ceiling void barriers should be constructed to match the acoustic performance of the movable wall and sealed all round and where there are any service penetrations.  **Exposed track enclosures (optional)**  Two or four skin track enclosures can be provided to match the panel finish. The construction is dependent on the track type and the void to be covered together with the acoustic rating of the movable wall. These are generally installed where the head track fixings would be exposed and visible.  **Telescopic panel**  The last panel in the movable wall is the telescopic panel which, in addition to the top/bottom extendable seals also has a telescopic sleeve element to seal the wall vertically against the perimeter wall. The sleeve is operated by a separate mechanism and has a throw of 120mm.  **Inset passdoors (optional)**  Inset passdoors (both single and double doors) are available with a standard opening width of 900mm per door leaf. The panel is constructed with a surrounding steel frame and both the door frame and door are adjustable to ensure the door fits correctly into the door panel.  There is an acoustic seal in the bottom of the door leaf which is operated with a slide plate set into the side frame of the door which extends the seal when the door leaf is closed. The door seal rises when the door leaf is opened.  **Soundproofing**  0 - 57 dB Rw according to the valid DIN EN 20140-3.  The soundproofing certificate of an accredited institute must be presented.  **Panel finishes**  A range of panel finishes are available, see below.  **TÜV test**  In accordance with DIN 31000 (Device Safety Act) and DIN 18032 (ball throw safety) for a ready-to-use, built-in partition wall including telescopic panel and inset passdoor panel.  **DIN EN ISO 9001**  The manufacture of Hufcor products is carried out in certified plants. Certificates can be provided if required.  **Manufacturer** HUFCOR Deutschland GmbH  Triftweg 36  06847Dessau-Roßlau Tel.: 0340 540796-0  info@hufcor.de |
| **Type:**  Type 100  Type 100K  **Movable wall system as follows:** Number of wallsWidth of the Wall(s): mm Track height: mm  Panel suspension: -point  HUFCOR parking type:  **Operation:**  Manually  semi-automatic (electrical operation of top/bottom seals – panels moved manually)  **Panels:**  Number of standard panels:  Number of telescopic panels:  Number of single inset passdoor panels:  Number of double inset passdoor panels:  Number of ‘T’ panels:  Number of ‘L’ panels:  Number of special panels:  **Head track:**  Head track type:  Fixed to (e.g. steel beam/concrete soffit):  Void height: mm Track enclosure required: Y/NTrack color: RAL 9010 (white) OR E6/EV1 (silver anodized) **Board finish:**   |  | | --- | | DBS House collection (LPL – Melamine) | | VBS House collection (HPL/CPL) | | Acoustic boards | | Veneer | | Other |   Additional notes e.g. – board colour, acoustic board drilling, special track colour etc.­­­­­­­­­­­­­­­­­­­­  ­­­­­­­­ \_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Acoustic performance:**  39 dB with test certificate  42 dB with test certificate  43 dB with test certificate  46 dB with test certificate  48 dB with test certificate  49 dB with test certificate  51 dB with test certificate  53 dB with test certificate  54 dB with test certificate  57 dB with test certificate (only possible with type 100) |