



Moveable walls

Hufcor sliding, folding walls

The moving solution for all of your room dividing and acoustic needs





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Hufcor – Quality Guaranteed

Qualified personnel, advanced precision machine tools and a sophisticated processing approach guarantee a consistently excellent product quality.

The monitoring for a proper and uniform quality of manufacture of our products is accessed annually by the TÜV product service (AIN 3100) (ISO 9001).

Introduction

World leader in moveable partition innovation

Founded in Janesville, Wisconsin over 100 years ago, Hufcor is recognised around the world for technical innovation and quality. Products are now available in over eighty countries through an established manufacturing and distribution network.

Since 1965, our involvement in the UK market has taught Hufcor to begin each new project by considering customer's needs first. Architectural specifiers and interior designers, hotel chains and conference centres, schools, colleges and universities, commercial, corporate and financial institutes, healthcare and religious institutions all come to Hufcor to resolve their space management requirements.



Panels stacked away neatly will open rooms and spaces to provide uninterrupted views.

Moving panels using the Hufcor track system is simple, smooth and effortless.

When the panels are in position they blend into the surroundings.





Operating from a high tech manufacturing facility, Hufcor work closely with a network of hand picked distributors to offer full site surveys, contract management, installation and after-sales service along with planning and budget advice.

Our technical team uses the latest CAD software, offering up-to-date and innovative designs to ensure customer needs are met.

On a worldwide basis contracts are normally handled by a Hufcor local office in the country where installation is required, however, we are pleased to offer assistance to UK architects, designers and contractors involved with overseas projects.



Type 100 acoustic partition innovation



Panels small or large can be manoeuvred to stack compactly within a room at either the end of the track or remotely within a storage recess.

Operation and usage often gets overlooked when specifying a moveable wall, however the Hufcor product will satisfy customers for years offering continuous performance.

Sports halls, particularly within schools utilise our range of partitions offering separation of space as well as an acoustic divide to meet BB93 requirements.

Hufcor type 100 moveable wall is available in a single point or double point configuration and can offer an acoustic sound rating performance of up to 57 dB laboratory tested to latest European standards.

Choice of panel face finish is endless including melamine, laminate, and lacquered wood veneers and vinyls. Additional features can include acoustic sound absorption boards, magnetic display boards, drywipe marker, pin boards and display rails.

Aluminium framing profiles protect the facing boards for durability and long partition life. Or alternatively, the panels can be constructed with concealed trims in order to achieve a 'plain faced' wall appearance.

The aluminium frames and tracks may be powder-coated or colour-anodised to coordinate with panel faces, ceiling grids etc.

Single point suspension

Single point panels are the ideal solution because they set up or stack using just a single length of track across a room. Panels can then be moved quickly, quietly and effortlessly to a stacking position at one or both sides of the room.



Hufcor have a wealth of experience in providing partition systems within schools and have products used in various BSF (Building Schools for the Future) schemes. Acoustic performance of partitions is important, particularly with the Building Bulletin 93 (BB93) regulations being at the forefront of acoustic design.



Double point suspension

Double point panels, suspended by two dual horizontal wheel carriers, move through turns, crosses and other intersections. They offer the most flexibility because each panel can easily turn corners and move to alternate locations or remote storage areas.

Panel construction

Hufcor panels are very simple to operate and do not require tedious cranking to operate the seal mechanisms. The top and bottom mechanical seals stabilise the moveable wall against the top track and floor to prevent any lateral movement under normal loading, resulting in a good acoustic seal and a solid wall. The mechanical seals instantly retract with only one half turn of the operating handle to provide generous panel clearance between the floor and head track.

Ball bearing carriers with large nylon tyred wheels ensure that the panels move smoothly and quietly with little effort. Seals are self aligning against the floor. They form a draught proof thermal seal and they also prevent the passage of light from one side of the wall to the other.

Telescopic end panel

When setting up a moveable wall, the last panel will normally be a telescopic end panel that can expand in width to fill the final gap. Bulb seals on the expanding section may close directly to a plain structural sidewall or to an adjacent run of panels. However, when skirtings, dado rails or cornices are present, a full height timber liner may be needed to ensure that the bulb seals are able to make contact with a continuous plain vertical surface.

Operation

Hufcor panels are usually operated manually. However, if required we are able to provide the system with semi automatic seals (ESS) that operate once the wall has been set up, or with a fully automatic operation with just the turn of a key.

Type 100 acoustic partition innovation

If requiring access through the partition, we are able to offer a full height end hinged panel, a single inset pass door or a double inset pass door. All our doors meet building regulation requirements and are provided with the necessary ironmongery and vision panels. The design of pass doors ensures the overall acoustic performance of the partition is retained.

Two moveable walls can provide a solution to form a corridor between large venues or for enhancing acoustic performance between rooms by offering up to 60dB.



Panel widths

Type 100 aluminium framed panels may be up to 1320 mm wide, subject to panel finish. For highest acoustic performance and lowest price, it is preferable to use the least number of panels that will cover the opening width. However, if essential, a greater number of narrower panels can be specified. Usually all panels will be of equal width, although hinged end pass doors and panels that incorporate single or double inset pass doors may need to differ.

Fire performance

Where a moveable wall is required to be fire resistant, Hufcor can offer a 30 minute option. However, it should always be considered that a moveable wall cannot self-close in the event of a fire and so the use of it should be carefully considered and approval sought from the appropriate fire authority.

Many of the finishes offered are available to achieve B2 normal flammable and B1 difficult flammable based on European standards. At Hufcor we would be pleased to assist you in your designs when fire related performance is necessary and design the product to meet your requirements accordingly.

Tall panels

Taller panels with exposed aluminium profiles may require a horizontal joint on facing boards. This can often be disguised with powder coating, aligning with the top of inset pass doors or by incorporating chair rails or skirtings.

For concealed aluminium profiles, facing boards are joined using a biscuit joint. Hufcor's installations include some of the largest and most prestigious buildings throughout the

world.

The tallest panels supplied so far have been manufactured to suit an opening height of 17.5m.

Whatever your requirements, we would be pleased to discuss them.

Storage pockets

Hufcor moveable walls can be stored inside pockets and if necessary closed off with hinged doors. The pocket depth must be designed to accept the combined thickness of panels (plus extra allowance for the thickness of any hinged doors and door frames). The width of the recess should provide at least 75 mm hand clearance each side of the panels as they pass into the parking area, with extra allowance for any timber jambs.



Capacity certified track systems

A quality track system is the key to years of efficient and easy partition movement. It will save money by minimising setting up and taking down times, as well as down time for repairs. Because site conditions vary, Hufcor offer a wide selection of tracks to meet different needs. Each system has been life cycle tested for a minimum of 100 miles (approximately ten years of use) and durability tests involve a minimum of 3500 cycles of operation.

Track systems are supplied to suit the carriers used and the weight of panels to be supported. Flush mounting or unusual head structures can be accommodated.

As no floor channel or bottom guides are necessary with Hufcor top suspended moveable walls, carpets or other floor finishes can run continuously across the entire room and thresholds are normally completely clear. However, floor bolts should be used where panels need extra stability (possibly adjacent to inset doors or at junctions) or where a definite location is necessary.

Tracks are normally silver anodised or powder coated to RAL 9010 white. They can also be finished to any specific colour chosen, and also match the panel aluminium profiles if required.



Type 100 acoustic partition innovation

Hufcor's durable, corrosion resistant aluminium track systems are easy to install and maintain. Extruding the track ensures that each section has an accurate uniform shape for superior end to end alignment.

Track intersections have robust steel plates bolted to the upper face for reinforcement and the junctions are welded for extra strength when very heavy panels are being supported. Quiet, smooth carrier operation is assured when using Hufcor tracks.

Moveable partitions provide flexibility of space enabling additional revenue to be gained from separating areas. We would be pleased to discuss and review any customer requirements and provide a detailed estimate with no obligation.



Head track fixing details

Project drawings are prepared for all contracts, allowing discussion and customer approval prior to manufacture. Track fixing details are designed to suit the building structure and the support available. Track trim profiles support suspended ceiling tiles or downstand fascia boards without the need for additional trims.

Fixings may be to steelwork, concrete or timber. Threaded suspension rods allow track height adjustment. For deep ceiling voids sway bracing and special brackets may be required.

Acoustic sound barriers can be supplied on request to minimise flanking transmission through ceiling voids above the tracks. Various constructions and insulating products are used to achieve the level of acoustic insulation needed.

Panel finish

Melamine faced chipboard offers an economical option where a tough, protective and easily cleaned finish is required with an excellent range of colours and wood effects.



Real wood veneered facing boards offer the texture and colour of natural wood and provide an excellent finish for flat panel partitions. Veneers may be combined and inlaid to achieve dramatic aesthetic effects without increasing the overall thickness of panels. Veneered boards are normally supplied lacquered without the need for finishing by others.



High pressure laminates offer another durable surface finish for flat panels, even in very demanding environments such as hospitals and catering areas.

Special finishes and free issue material enable unique designs and materials to be used and can be specified by the customer for moveable walls. Hufcor will willingly test and approve samples of materials to ensure that they are suitable. Inset marker boards, pinboard surfaces, chair rails, dado and skirtings are all possible with Hufcor panels.



Support information
Additional Hufcor technical data sheets are available on request, in PDF and DWG file format, including full size horizontal and vertical sections.

Special drawings and preliminary layout suggestions can be prepared for projects where standard details are inadequate.

Architects Binder
available on request

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G3000 Glasswall and glazed moveable walls – movista

Glasswall – contemporary architecture never looked so good

Glasswall is a moveable wall system that combines the function and the classic beauty of glass with the flexibility of moveable partitions. The aesthetics of glass can be used to divide rooms and maintain an open contemporary space. Glasswall can adapt to angles, passing around mitred or curved tracks to enable rooms to be divided regardless of size or shape. Glass may be coloured, smoked or etched and film can also be applied to create logos and custom designs.

An uninterrupted view allows space to be divided whilst maintaining the feel of open spaces, something that the Hufcor Glasswall can offer in almost any circumstance.



Glasswall maximises room design flexibility and increases the potential uses of any room. Hufcor glass partitions may be used to divide car dealership showrooms, bank lobbies, meeting rooms and business areas to ensure that contact between customers and staff is maintained at all times. Glasswall may also be installed in shopping centres, restaurants, office buildings and churches, to enhance the character of these environments.

Glasswall can also be used to divide hospitality suites at sports venues, opening up the action or closing down for privacy whilst retaining a clear view of the game.

Aluminium profiles may be colour matched to suit the glazing and décor, either powder coated or colour anodised.

Hufcor single glazed Glasswall panels are fully supported by the overhead track. This eliminates the need for unsightly floor track which can collect debris and pose a safety hazard. The floor surface is uniform except for small holes for floor bolts and locks. Double action foot bolts on the leading edge of each panel ensure a wall that is stable and secure.

The toughened safety glass is secretly secured to the upper horizontal rail profile with internal plastic encased steel rods through holes in the glass. This prevents the glass from slipping or dropping.



Access

Hufcor Glasswall can incorporate single or double access door panels which match and look identical to standard panels. Access doors are provided with a magnetic catch acting as a hold open device and floor locking is also available as an option.



**Glazed moveable walls
(MoVISTA-ESS)**

Partially or fully glazed attractively designed panels can be supplied with clear, smoked or coloured glass. Acoustic integrity up to 47 dB is retained using double-glazed construction in combination with fully retractable electrically operated top and bottom mechanical seals. Elegant framing combines edge protection trim that protects the glass. Internal blinds can be incorporated for privacy and enhanced aesthetics.



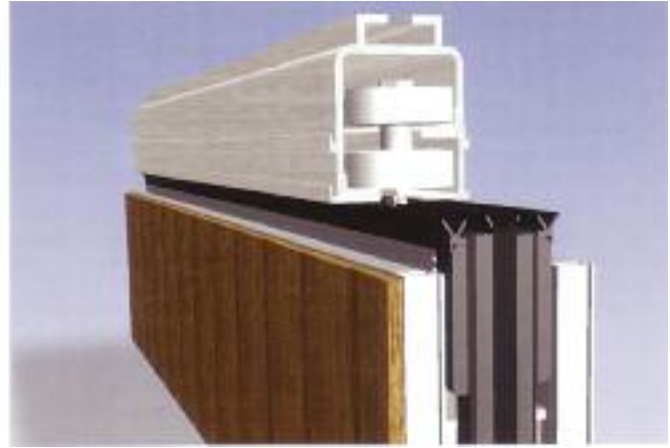
See also separate leaflets:
MoVISTA/ESS

Technical information

Typical details shown. More in-depth technical specification can be found in our technical data sheets.



Single point suspension with type 38 track (exposed trim shown).



Double point suspension with type 36 track (concealed trim shown).

Panel configuration	Single point suspension (SP)	Double point suspension (DP)
Type 100 panel		
Suspension system	4 wheeled central carrier	Counter rotating dual carrier
Minimum headroom requirement	140mm	170mm
Panel trim detail	Concealed/Exposed	
Panel trim finish	Satin anodised aluminium or polyester powder coated	
Seal operation	Manual/semi-automatic	
Panel to panel joint	Magnetic seal (49dB and above)	
Nominal panel thickness	100mm for exposed trim/113mm for concealed trim	
Minimum-maximum panel width	650-1320mm	
Maximum opening height	4.5m	20m
Single/double inset pass door width	900/1800mm	
Single/double inset pass door height	2100mm	
Minimum panel height for Single/double inset pass door width	2430mm/2500mm	
Standard panel finishes	Melamine, laminate, wood veneers	
Fire performance	Surface spread of flame, combustibility and fire resistance	

Acoustic rating dB (Rw) EN ISO 140-3	39	43	46	48	51	54	57
Panel weight (Kg/m ²)	34	35	37	39	49	59	63



Type 100 Single point suspension.



Type 100 Double point suspension.

Panel configuration	Single glazed
Glasswall	
Glass type	Toughened safety glass
Glass thickness	10mm/12mm
Maximum opening height	3190mm–3650mm
Minimum-maximum panel width	610mm–1250mm
Pass doors	End pivot/hinged intermediate
Maximum end pivot panel width	900mm
Hinged intermediate panel width	800/1600mm
Acoustic rating dB	Minimal
Horizontal/Vertical seals	Optional
Panel frame finish	Satin anodised aluminium or polyester powder coated
Manifestation	Standard or custom design



Single glazed Glasswall

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 **HUFCOR**