

Uniclass	L384/L385
Cost	(32,54) X

Moveable walls

KABA[®]

Hufcor sliding, folding walls

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

HUFCOR





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Kaba - quality guaranteed

Kaba's quality accreditation and industry association memberships give assurance of the high standards of service and workmanship you can expect to receive. Additionally membership of bodies such as Constructionline, CHAS and SafeContractor give assurance of health and safety excellence.

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.

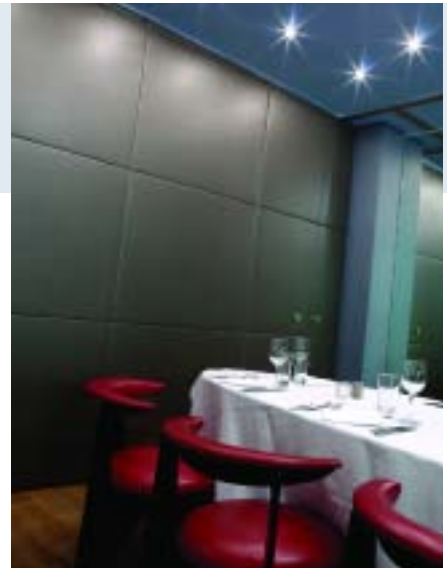
Since 1965, our involvement in the UK market has taught Hufcor to begin each new project by considering customers' needs first. Architectural specifiers and interior designers, hotels chains and conference centres, schools, colleges and universities, commercial, corporate and financial institutes, healthcare 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.



When moving panels it should always be simple, smooth and effortless using the Kaba Hufcor track system.



When the panels are in position they should blend into the surroundings and perform accordingly.



Here in the UK in partnership with our skilled network of regional sales centres and our manufacturing facility based in Castle Donington, Derbyshire, we offer a full contract, manufacturing, installation and after-sales service. This includes a comprehensive technical service during planning, budget and site surveys.

Backed up by our technical office using the latest CAD software, we pride ourselves on finding solutions to meet any challenge for the division of all types of rooms and divisional requirements.

We can also offer assistance to UK architects, designers and contractors involved with overseas projects although, on a worldwide basis, contracts will normally be handled by offices in the country where installation is required and we would be pleased to offer a local service from the UK for wherever your project is located.

All Hufcor products are guaranteed for two years against defective materials and workmanship.



As a member of the "Association of Interior Specialists" Hufcor promises wholehearted attention to projects large or small. Our goal is to work in partnership to ensure complete customer satisfaction.

We are proud to have our installations recognised and judged by AIS.

Type 100 acoustic partition innovation

Educational and sports establishments



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 Kaba Hufcor product will satisfy clients 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. The 100mm thick aluminium framed panel can offer an acoustic sound rating performance of up to 57 dB laboratory tested to latest European standards.

Panel face finish is almost unlimited with a full range of melamine and laminate colours including a stocked range of house vinyl's. Polished wood veneers remain a popular choice as plain or with in laid veneers and can even be supplied with acoustic sound absorption boards if required. We can also offer inset writing boards, pinboards or display rails.

Aluminium framing profiles protect the facing boards for durability and long partition life. As an option, panels with concealed profiles can achieve a 'plain wall' appearance. 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 either or both sides of the room.



Hufcor are pleased to confirm that their products have been used in various BSF schemes and with BB93 at the forefront of design for educational facilities. We would be pleased to assist and offer our advice to ensure compliance is achieved.



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 jacking up or 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 will be needed to ensure that the bulb seals are able to make contact with a continuous plain vertical surface.

Operation

Hufcor panels are invariably operated manually. However, if required we are able to provide the system with semi automatic seals 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

Corporate and hospitality

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 Regulations requirements and are provided with the necessary ironmongery and vision panels. Consideration must always be given when using an integral pass door to minimise any potential sound leakage.



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

Panel widths

Type 100 aluminium framed panels may be up to 1230 mm wide. 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. More often than not, 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

Fire performance is more important than acoustic performance when requested with a folding wall. Fire causes possible loss of life and serious damage to buildings, therefore consideration must be given when this is requested. Unless a product automatically closes in the event of a fire it cannot be classified as a true fire

rated product, however when the wall is set up it can offer protection in the form of Class 0 (combustibility) and Class 1 (surface spread of flame). 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 by alignment with the top of inset pass doors or by incorporating chair rails or skirtings.

At Hufcor we have supplied our products in some of the largest and most prestigious buildings throughout the world and the tallest panels supplied so far have been manufactured to suit an opening height of 17500mm.

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.



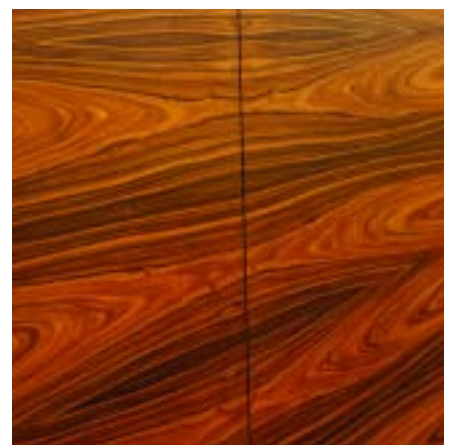
Capacity certified track systems

A quality track system is the key to years of fast 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. 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 colour finished to match the panel aluminium profiles if required.



All our veneers as standard are offered with a booked matched finish, we pride ourselves with quality and adding natural wood to specific designs can enhance appearance significantly.

Type 100 acoustic partition innovation

Religious buildings

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 and no heavy greasing is required.



Moveable partitions provide flexibility of space enabling additional revenue to be gained from separating areas. We would be pleased to discuss and review any client's 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 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 or sway bracing special brackets will be needed.

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

Vinyls are tough and easy clean and these popular fabri backed vinyl wallcoverings provide an economical and attractive finish suitable for many projects.

Melamine faced chipboard offers another 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 unbeatable 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 laquered without the need for finishing by others.



High pressure laminates are a most durable surface finish for flat panels, even in very demanding environments such as hospitals and catering areas. Laminates are available from well known ranges.

Wall Carpets are used where noise reverberation may be a factor and can be applied to enhance sound absorption and to create a soft textured finish.

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.



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 will be prepared for projects where standard details are inadequate.

Glasswall and glazed moveable walls

Glasswall – contemporary architecture never looked so good

Glasswall is an 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 interrupted view allows space to be divided whilst maintaining the feel of open spaces, something that the Kaba 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 basic panels. Access doors are provided with a magnetic catch. Floor locking is available as an option.



Glazed moveable walls

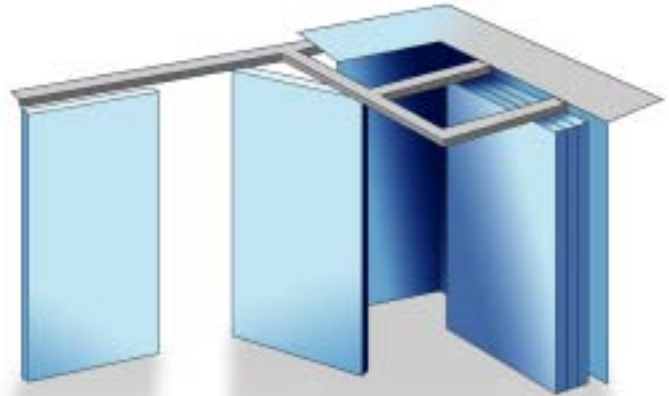
Partial or fully glazed attractively designed panels with clear, smoked or coloured glass can be supplied. Acoustic integrity up to 47dB is retained using double-glazed construction in combination with fully retractable top and bottom mechanical seals. Elegant framing combines edge protection trim that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



Technical information



Single point suspension

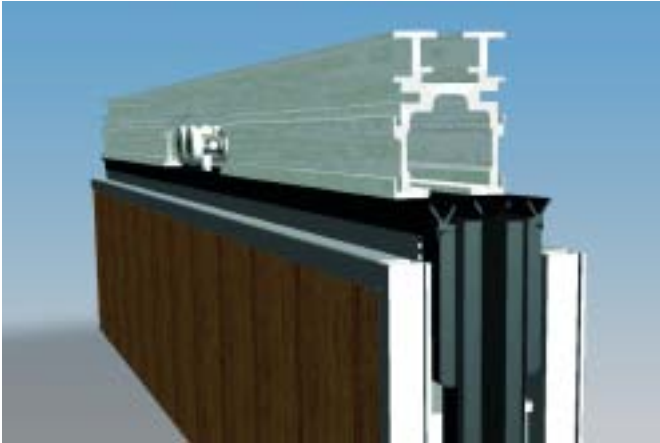


Double point suspension

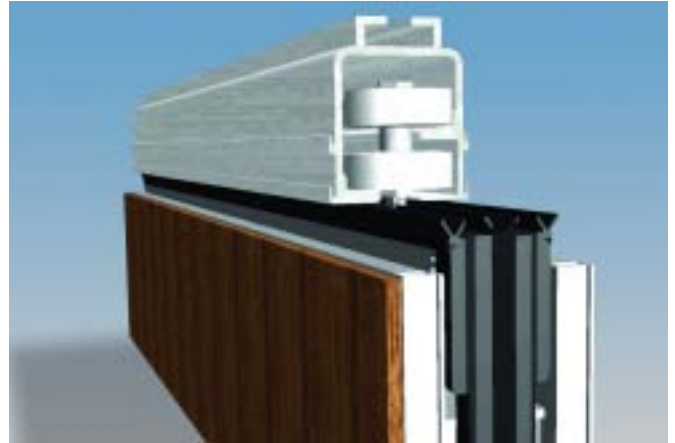
Panel configuration	Single point suspension (SP)	Double point suspension (DP)
Type 100 Panel		
Suspension system	4 wheeled central carrier	Counter rotating dual carrier
Minimum headroom requirement	140mm	170mm
Panel frame detail	Concealed / Exposed	
Panel trim finish	Satin anodised aluminium or polyester powder coated	
Seal operation	Manual/semi-automatic	
Panel to panel joint	Magnetic seal	
Nominal panel thickness	100mm / 113mm	
Minimum-maximum panel width	650-1230mm	
Maximum opening height	4.50 metres	20 metres
Single/double inset pass door width	900/1800mm	
Single/double inset pass door height	2100mm	
Minimum panel height for Single/double inset pass door	2430mm	2500mm
Standard panel finishes	Melamine, laminate, wood veneer, fabric	
Fire performance	Surface spread of flame, combustibility and fire resistance 30/60/120mins	

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

Specification examples	Hufcor Type 100 operable wall series SP54E	Hufcor Type 100 operable wall series DP43C
	SP = Single point suspension 54 = 54 dB Acoustic laboratory rated E = with exposed aluminium profiles	DP = Double point suspension 43 = 43 dB Acoustic laboratory rated C = with concealed aluminium profiles



Single point



Double point

Panel configuration	Single glazed (SG)	Double glazed (DG)
Glass type	Toughened safety glass	
Glass thickness	12mm	
Maximum opening height	3500mm	
Minimum-maximum panel width	600 - 1220mm	
Pass doors	End pivot/hinged intermediate	
Maximum end pivot panel width	900mm	900mm
Hinged intermediate panel width	800/1600mm	N/A
Acoustic rating dB	Minimal	up to 47dB
Brush seals	Optional	Optional
Panel frame finish	Satin anodised aluminium or polyester powder coated	
Manifestation	Standard or custom design	

Distributed by:

The KABA logo is displayed in a bold, blue, sans-serif font. The letters are stylized with sharp, angular edges. A registered trademark symbol (®) is positioned to the upper right of the letter 'A'. The logo is centered within a white rectangular box.

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