Acoustic Movable Walls & Sliding Folding Partitions
**PremierWall**  
*Conference Centres, Hotels, Education, Offices, Sports and Leisure Facilities*  
PremierWall is a top hung individual panel system with retractable seals top and bottom allowing panels to glide effortlessly into position. PremierWall is the highest specification range, with acoustic insulation capable of achieving up to 59dB. Acoustically compliant to BB93.

**WallSpan**  
*Offices, Education, Community Centres, Sport Halls, Hospitals*  
WallSpan is continuously hinged with multi-pronged sweep seals providing excellent contact with the floor and head track ensuring good onsite acoustic performance. Sound reduction from 25 – 48dB. This system may be either top hung or floor supported according to structural support availability.

**WallSlide**  
*Education, Care Homes, Apartments, Offices*  
Simple yet effective, the WallSlide is a contemporary solution to the space limitations of a traditional hinged door. Sliding into either a specially formed pocket or beside the opening, this is available as a solid acoustic screen or incorporating vision panels.

**WallFlex**  
*Schools, Colleges, Hospitals, Churches, Sports Halls*  
WallFlex is a vinyl concertina option for projects where budget is a factor without compromising quality. Fabric faced metal pantograph frame with top and bottom sweep strips to ensure an acoustic seal, available from 15 – 35dB. Finished in a hardwearing, easily cleanable, flame retardant vinyl to ensure longevity.
Acoustically divide conference / seminar rooms, class rooms, function rooms, office space & community halls

The multi award winning PremierWall is truly at the head of its class. UK manufactured, this top hung system allows limitless stacking solutions.

Acoustic infill combined with interlocking edge profiles with unique seal interfaces giving up to 59dB sound block performance. Unrivaled seal pressure of 2KN per linear metre is possible by our unique rapid action scissor jack mechanism ensuring excellent onsite acoustic performance. Our mechanism also performs within site restrictions or constraints such as uneven floors and deflections. Magnetic profiles complement precision engineered roller and track systems allowing effortless operation. Unique roller locking mechanism guarantees panel alignment in the long term.

All systems are acoustically tested to ISO 140-3 and certified for shock impact, endurance, thermal insulation and stability.

Available in a range of finishes including laminate, white marker, veneer, digi-art or primed for onsite decorating.

Technical Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal thickness</td>
<td>100 mm</td>
</tr>
<tr>
<td>Min. panel width</td>
<td>650 mm</td>
</tr>
<tr>
<td>Max. panel width</td>
<td>1250 mm</td>
</tr>
<tr>
<td>Max. clear opening height</td>
<td>11 m</td>
</tr>
<tr>
<td>Sound Insulation range</td>
<td>Up to 59dB</td>
</tr>
</tbody>
</table>

*Tested to ISO 140/3 & EN 20140/3 Standard*

High acoustic performance up to 59dB
Acoustically tested passdoors
Vast selection of finishes - inc veneer, laminate etc
Flexible division with various stacking options
Top hung with no floor tracks
Fire rated options available
Panels can be manufactured up to 11 m high
Semi automatic system available, ask for information on our EasiWall

Stacking Options

- Standard Panel
- Side Section of Double Point Suspension
- Side Section of Single Point Suspension
- Panel Abutment Detail

PLAN SECTION THROUGH A STANDARD PANEL, A TELESCOPIC PANEL AND THE WALL JAMBS
WallSpan - Sliding Folding Hinged

**Offices, schools, universities, leisure, sport centres**

WallSpan is a hinged system providing sound reduction from 25dB to 48dB.

Flexible top hung or floor supported system. Floor supported option features a unique threshold to address trip hazard concerns.

Single or double wing available with access gained via the door in the last leaf of each wing. Easy operation of the screen is achieved by the use of high specification rollers and track.

A bespoke hinged jamb allows unrivalled system adjustment yet still allows a concealed wall fixing.

Sound performance is achieved by specialised manufacturing techniques including high specification acoustic infill, unique labyrinth profiles and multipronged acoustic seals.

Available in a range of finishes including laminate, white marker, veneer, digi-art or primed for onsite decorating.

All hardware is finished in hardwearing, compliant natural anodised aluminium or stainless steel.

### Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal thickness</td>
<td>70 mm / 100 mm</td>
</tr>
<tr>
<td>Max. panel width:</td>
<td></td>
</tr>
<tr>
<td>Centre hung</td>
<td>850 mm</td>
</tr>
<tr>
<td>End hung</td>
<td>700 mm</td>
</tr>
<tr>
<td>Max. clear opening height</td>
<td>3600 mm</td>
</tr>
<tr>
<td>Approx. hanging weight</td>
<td>22 - 47 kg/m²</td>
</tr>
<tr>
<td>Sound insulation range</td>
<td>25 - 48 dB</td>
</tr>
</tbody>
</table>

Acoustically rated 25dB - 48dB

Vast selection of finishes - including veneer, laminate, melamine etc

Single wing or Bi parting stacking

Can be top hung or floor supported

Supplied as standard with full height pass door

### Abutment Detail

### Stacking Options

- Centre fold stacking (single wing)
- Off-set stacking (single wing)
- Centre fold stacking (Bi parting)
- Off-set stacking (Bi parting)

### Construction

- Top Hung
- Floor Supported
Schools, colleges, hospitals, churches, sports halls

WallFlex vinyl concertina offers a sound reduction of between 15 and 35 dB. Top and bottom sweep strips are included to reduce sound penetration around the partition. The system is available in a wide range of colours, the material even resists the growth of mildew, mould, fungi and bacteria.

If there is no suitable supporting structure, we can offer a self-supporting framework, please contact our sales office for further information.

Should the screen exceed the limitations of a self-supporting structure, there is a floor supported option available.

Acoustically tested from 15db to 35db
Single wing, bi-parting or floating wing stacking
Can be top hung or floor supported
Class ‘0’ and class ‘1’ to BS:476 as standard
System supplied up to 6000mm high
Track can be curved

Technical Specifications
Nominal thickness 70 mm
Max. panel width 1200 mm
Max. clear opening height 3100 mm
Approx. hanging weight 24-36 kg/m²
Sound insulation range 25-42 dB

Panel Abutment Detail

Stacking Options

Into recess (single wing)
Beside wall (single wing)
Into recesses (bi-parting)
Beside walls (bi-parting)
Rothschild was founded in the City of London in 1811 and is now a global firm with 50 offices around the world. New Court, designed by renowned architects Rem Koolhaas and Ellen van Loon from OMA, is the new 21,000m² London office for Rothschild Bank. The design won the New City Architecture Award for 2011.

Accordial were recommended to OMA Architecture for the New Court project by the world famous acoustics team at Arup following the successful completion of the BSKYB project, where Accordial movable walls were installed and tested to the highest acoustic rating ever achieved in the UK.

Accordial completed the New Court acoustic movable wall installation within a fully glazed building envelope that formed the penthouse floor on Level 15. The project involved a very complex layout of 5 metre high moving panels to form several different layout options. This included 35 operable panels of different types, making up three movable wall sets, one 28m long and two at 7.5m long. The structure also had to accommodate a sloping facade to one side of the building and a deflecting frame that can move in or out depending on weather conditions. Accordial designed a bespoke acoustic aluminium wall post to allow for the panels to connect with the exterior mullions but allowed for the frame to deflect within this post.

A unique Accordial tracking system was designed to enable panels to be moved easily around the large room area to form the various divisions required but with the minimal use of stacking space. The clients were so impressed with the quality of the track and roller system, they commissioned its use in other areas of the building for use with bespoke sliding frames.

Accordial Walls is pleased to announce the completion of one of the largest projects in Acoustic Movable Walls.

The £1.1million project for the Liverpool Convention Centre to supply 340 panels, constructing a total of 34 separate walls ranging from 3 to 20 panels per wall were fitted across a total area of 2,400 sqm.

Ten independent stacking areas are served by 1km of track including main runs and transfer tracks.

A combination of 8m, 6m, and 4.5m panels with an acoustic rating of Rw55dB ensured that the main conference area had the flexibility to be arranged from either one, two, four or six rooms each enjoying full acoustic comfort in each room.

Each panel weighs between 600-800kg. Specific equipment was needed to hoist the panels into their individual positions, sometimes in confined areas.

The project took 12 months to complete, working in conjunction with Wilkinson Eyre as the architects and Sandy Brown the acousticians, in the development of the Series 100 walls used.

The main contractors were Bovis Lend Lease.

Accordial Walls

Liverpool Convention Centre

AIS Gold Award Winner

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Liverpool Convention Centre

AIS Gold Award Winner

Rothschild Bank HQ, City of London
SoundFlex absorption panels are lightweight, high performance absorption panels that create an effective acoustic environment in a multitude of uses where sound reverberation needs reducing.

Manufactured in the UK

SoundFlex absorption panels are manufactured at our own factory in Loughborough where our acoustic laboratory played an important role in obtaining first class results in the development of the SoundFlex product.

Final refinements were made with the assistance of our two in-house IOA qualified acousticians when testing of the boards took place at an independent laboratory.

Sound Design

In any space where the reverberation time needs reducing, introducing SoundFlex absorption panels will greatly help to create a better overall environment with improved levels of intelligibility. SoundFlex absorption panels are environmentally friendly with no cutting or wastage as each panel is bespoke and easy-to-install making it one of the best systems available.

Acoustic boards with perforations

Acoustic boards with slots

Technical Specifications

Panel Faces
Drilled or Slotted face perforations
9 mm MDF or chipboard core
Drilled Max: H 2400 mm – W 1200 mm
Slotted Max: H 3000 mm – W 1200 mm

Face Finishes
Melamine Faced to standard range
Painted to RAL specification
Real wood veneers

Construction
Overall panel thickness: 24 mm
Peripheral frame construction
Open weave acoustic fleece
Mineral wool inlay

Perforations
Holes: 6.4 mm – 10 mm diameter
Parallel or offset hole
Slots: 3 mm thickness
Intermittent slots (continuous tba)
Specific designs: Variation request req

Panel Edging
Edges: All edges
Thickness: 2 mm or 0.8 mm
Matching: Not always an exact match
Corner detail: Butted square finishing

Guide to Frequency Range
Low tones: 100 Hz – 315 Hz
Medium tones: 400 Hz – 1250 Hz
High tones: 1600 Hz – 5000 Hz
Corner detail: 500 Hz – 3000 Hz

Test Reports
To BS EN ISO 354

Panel Weight
10Kg per Sq.m
All of our products are manufactured in the UK. Good for the economy, good for the environment.