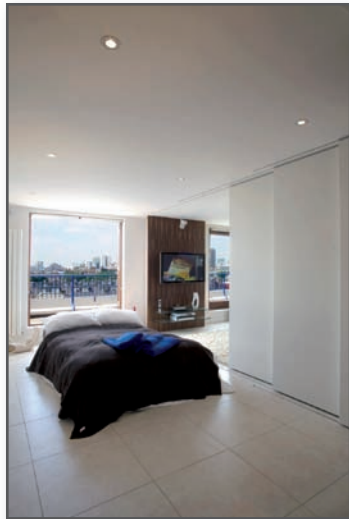


# brockhouse

excellence in movable walls



## **BROCKHOUSE** Technical Information

**Movable Acoustic Walls & Sliding Folding Partitions**

57dB  
59dB



### Series B-100 / B-120

Acoustically divide conference / seminar rooms, class rooms, function rooms, office space & community halls

Series B-100 is a top hung individual panel system with operable seals top and bottom allowing panels to glide effortlessly into position. Series B-120 is the highest specification range, with acoustic insulation capable of achieving up to 59dB.



## Series B-100 / B-120 Acoustic Movable Partition







## The Sage, Gateshead

### AIS Gold Award Winner

Brockhouse were excited to rise to the challenge of designing, manufacturing and installing a movable wall system that Arup Acoustics stated as 'one of the most advanced movable walls ever to be installed in the UK'. The partition is positioned on the stage to form a backdrop, however there were a number of obstacles in the design that fell outside of the normal boundaries of a movable acoustic wall system.



To ensure that the aesthetic appeal was not compromised at the expense of acoustic performance we employed a unique reversible finish of soft hessian sound absorption board with a veneered hardwood finish to the other side. Our Research & Development Unit designed a one off edge profile using a ball and socket joint which not only allowed the panels to be reversed but also complimented some twenty three acute angles within the headtrack to enable the wall to form a semi-circle.

The next requirement of the client was an ability to control airflow on the stage, specially designed louvre shutters in each panel meant that the movement of air was easily controlled and adjusted.

In summary Brockhouse have achieved what the client asked for, a reversible angled movable wall that could either absorb or deflect sound and be moved into and out of position with a minimum of time and effort. A project that could only have been fulfilled by this product.







## Series B-100 / B-120 Acoustic Movable Walls

### Acoustically divide conference / seminar rooms, class rooms, function rooms, office space & community halls

The multi award winning B-100 / B-120 Series 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. Unrivalled 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 tested to ISO 140-3 and certified for shock impact, endurance, thermal insulation and stability.

Available in a range of finishes including melamine, virtual veneer, digi-art or primed for onsite decorating. Class 1 or Class 0 Flame Rating attainable.

### Technical Specifications

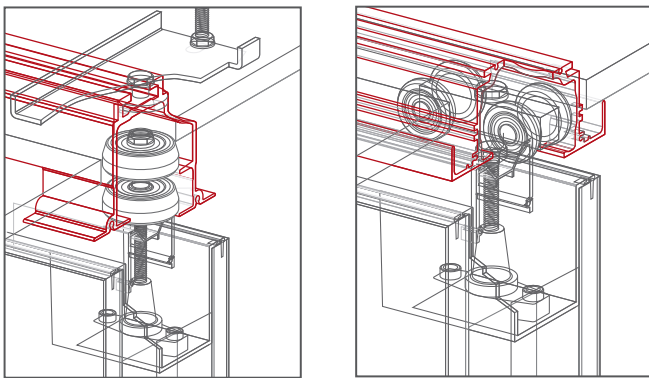
Nominal thickness	100 mm
Min. panel width	650 mm
Max. panel width	1250 mm
Max. clear opening height:	
Series B-100	15000 mm
Series B-120	10000 mm
Sound insulation range:	
Series B-100	41 - 57 dB
Series B-120	41 - 59 dB

*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 systems available (up to 1 hour certificated)**
- Panels can be manufactured up to 15,000 mm high**
- Semi automatic system available**

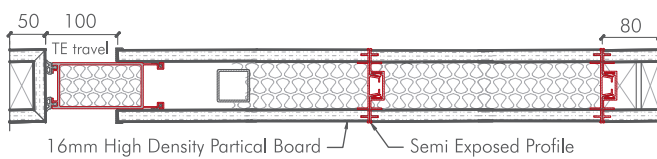


### Ceiling Track

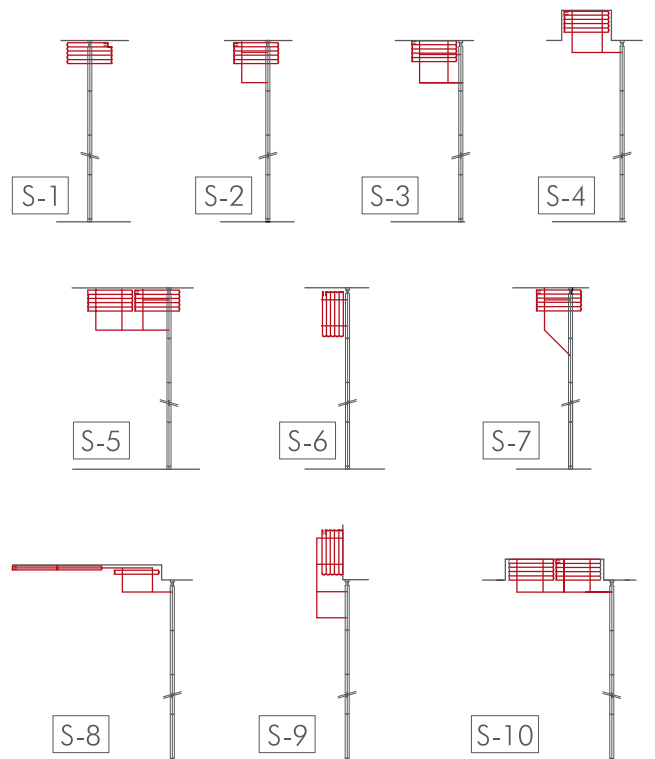


Designed to accommodate suspended ceilings. Installation can include track support and sound baffles within ceiling voids according to specification.

### Panel Abutment Detail



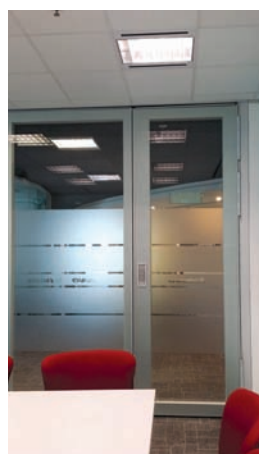
### Stacking Options



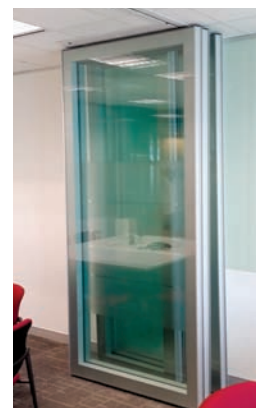




**GLAZED Acoustic Movable Walls**



Technical Specifications	
Nominal thickness	
Model 66	66 mm
Model 86	83mm
Model 100	100mm
Maximum Sound insulation:	
Model 66	35 dB
Model 86	45 dB
Model 100	50 dB
Inset Pass Doors and Full-height Doors Available	



**Glazed Movable Wall**

Brockhouse Series G Movable Wall shall be individual flat GLASS panels, mounted in full perimeter protective aluminum frames, clear anodized aluminum vertical protective trims, top supported, manually operate, top and bottom mechanical seals, surfaces finished with tempered glass.

Individual panel is constructed from aluminum / welded steel frame, finished with Tempered Clear Glass both side with back painted border.

Top and bottom seals are extended and retracted by way of an operating key located in the vertical edge profile of each basic panel. The telescopic end panel (with nose extending to providing firm seal to Wall) is operated by means of an access point on the front face cover, it is to achieve the final closure and to open up the partition wall to be stacked away.

Inset Pass Doors, permanently hinged Full-height Doors and Double leaf Inset Pass Doors have recessed handles unless the client otherwise specifies.

Specification can include walls meeting to form corner junctions, T' or 'L' shape systems.

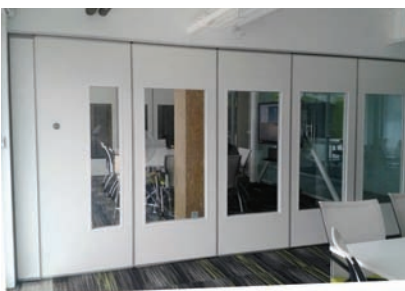
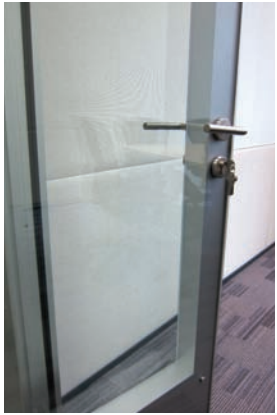




# product gallery









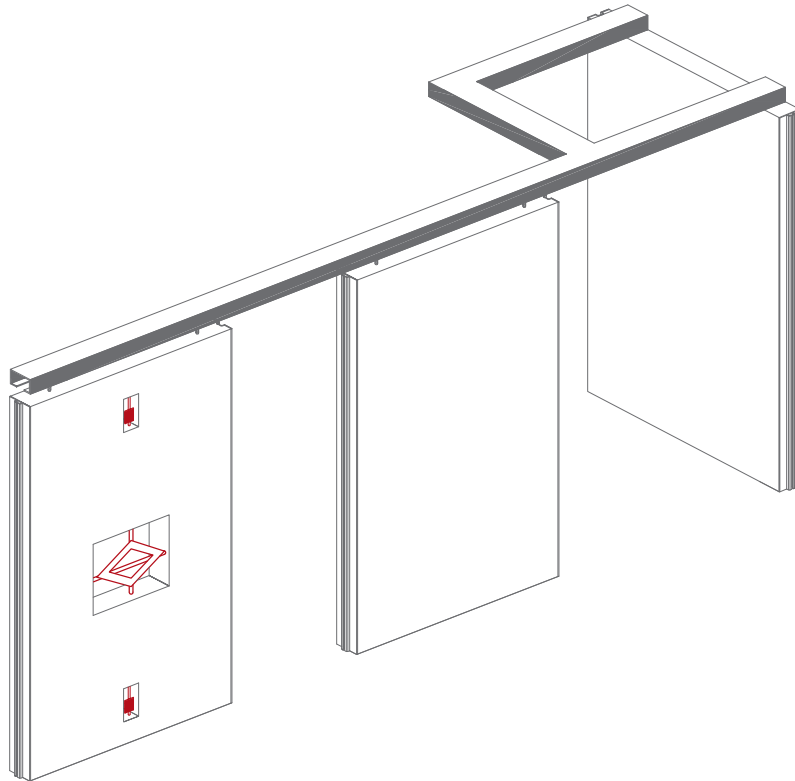
# product gallery











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