

ACOUSTIC DOORS



SOUND REDUCTION

When proper sound reduction is required, choose Timberline Acoustic Accordion doors with sound ratings up to Rw 38.

SOUND RATING	TYPICAL EFFECT*
Rw33	Mutes normal conversation, suitable for primary schools and small meeting rooms
Rw38	Normal voices unintelligible. Appropriate for meeting rooms, church halls and classrooms

*Assuming low peripheral leakage

Note: A Rw 23 version of the Timberline folding door is available for situations where a lower acoustic performance is acceptable and budgets are limited.

ACOUSTIC PERFORMANCE

An acoustician's main aim is to control the sound transmission between rooms to a level where it is no longer distracting even though some sound may still be audible. The performance of an acoustic door also depends on the building in which it is installed. If there is leakage of sound around the outside of the door, for example over a suspended ceiling, this will limit the perceived effectiveness of the door.

Choose the sound rating you require bearing in mind any limitations the building may impose.



AUSTRALIAN
MADE AND OWNED

TIMBERLINE ACOUSTIC ACCORDION DOORS

TYPICAL SPECIFICATIONS

Acoustic Accordion Doors to be MDF construction linked with polymer co-extrusion flexible hinges to form an accordion shape. Panels to be top supported on nylon tyred ball bearing trolleys running in an extruded aluminium track. Panels to be coupled with internal steel hinges and the final closure is to be achieved by a draw-tight latch to ensure acoustic integrity.

Flexible composition sweep seals to be fitted to the top and bottom of each panel to make continuous contact to the underside of the headplate and to the floor surface respectively, providing a sound retardant closure.

The door to have a laboratory Rw of ____.

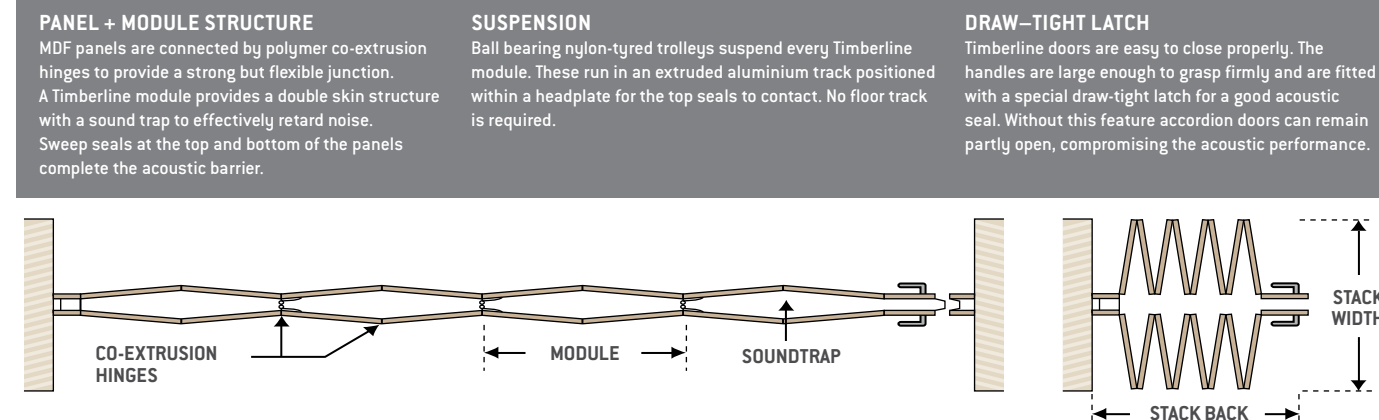
The manufacturer to guarantee that the accordion doors are like construction to those laboratory tested by an independent NATA approved testing laboratory.

SPECIFICATIONS

Module Width (mm)	Min 300	Max 600
Max Height (mm)	3000	
Max Width	5.0m (single)	10.0m (bi-parting pair)
Stack Back	160mm + No. of Modules x 30mm	
Stack Width	80mm + Width of Module	
Weight/sqm opening	Rw33=19kg	Rw38=21kg
Floor Surface	Maximum tolerance +/- 5mm from level	

INSTALLATION

Should be carried out by experienced installers.



FOLDING DOORS MEASURING, ORDERING & INSTALLATION

LOTUS INSTALLATION

Lotus offer an obligation free measure quote and installation service in all capital cities and many regional centres. To arrange this service please contact Lotus or your State Distributor.

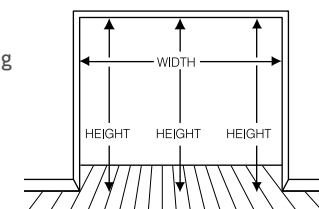
DIY INSTALLATION

Alternatively, the Timberline and Vinylcloth folding doors come complete with all fixtures and fittings for DIY installation.

Measure the opening height (+/-1mm) from the underside of the head to the top of the floor covering at both sides of the doorway and, if it's a wide opening at 1 metre intervals across the opening. Use the shortest height measured. Measure the opening width (+/-1mm) from jamb to jamb at

the top of the opening where the track will go. To ensure a neat fit it is recommended that doorstops are removed before measuring. If this is not possible, measure the width between doorstops and advise Lotus of the doorstop thickness.

To order, specify dimensions, door type, colour, configuration (eg single, bi-parting pair or opening at both ends) and any extras required such as locks.



LOTUS

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LOTUS



FOLDING DOORS

Folding and acoustic door systems



TIMBERLINE

FLEXIBILITY WITH SPACE

Lotus Timberline Folding Doors combine elegant good looks with exceptional space saving benefits. A Timberline door will bring lasting pleasure to people who appreciate something better than average.

QUALITY FEATURES

Timberline quality features include strong 12mm thick panels, wheeled trolleys for smooth operation, positive latch and automatic hold open system. All Timberline doors are made to measure for a perfect fit.

PANEL DETAILS

TYPE	110	170	170
Model	Panel	Panel	Window
Max Height (mm)	2100	3000	3000
Max Width (m)	10	10	10
Panel Width (mm)	110	170	170
Panel Thickness (mm)	12	12	12
Stack Back (mm)	13% opening + 100mm	8% opening + 100mm	8% opening + 100mm
Stack Width (mm)	115	175	175
Weight/sqm opening	12kg	12kg	10kg

LATCHES AND LOCKS

Timberline doors come standard with a positive latch. As an optional extra a cylinder keylock can be supplied. This option can be master keyed.

Timberline doors have a clean, co-ordinated look with hinge colours individually matched to each of the standard range of vinyl and veneer surface finishes.

The strong aluminium track is finished off with aluminium side covers. Suspension blocks are made from glass reinforced nylon and ball bearing wheels are used on all commercial size doors.

COMMERCIAL PRODUCTS

Timberline doors are ideal for commercial projects, providing flexible use of space in offices, schools, clubs, etc. For effective sound proofing acoustic doors are also available, see back page.

CHOICE OF FINISHES

Lotus Timberline Folding Doors come in a wide range of finishes including luxury laminates (in pastels and timber veneer look), windows (white only) and ready to paint panels. Special finishes can be provided to order. All Timberline doors feature colour co-ordinated hinges and aluminium track covers.



AUSTRALIAN
MADE AND OWNED

VINYLCLOTH

QUALITY CRAFTSMANSHIP

Lotus Vinylcloth Folding Doors are made to a high standard, each door individually made to your specifications. Lotus' vinyl material is backed with a cloth mesh fabric giving it strength and flexibility. A unique double track system makes the door smooth and silent in use. All doors come complete with matching pelmets and hold-back straps.

EXTENSIVE COLOUR RANGE

Lotus Vinylcloth Folding Doors come in a wide range of attractive finishes, including versatile neutrals, woodgrains and textures. In addition, you can choose from a number of matching leadpost colours.

COMMERCIAL APPLICATIONS

Lotus Vinylcloth Folding Doors can be made in a wide range of colours and sizes which makes them useful in many commercial situations. Typical installations are shown here and include offices, meeting rooms and community buildings. Lotus Distributors and retailers are always pleased to help with design and costing queries.



SPECIFICATIONS

Max Height	3000mm
Max Width	4.5m single door, 9.0m bi-parting pair
Panel Thickness	6mm
Stack Back	8% width + 35mm
Stack Width	85mm
Pelmet Separation	Minimum 90mm
Weight/sqm opening	6kg

LATCHES AND LOCKS

Lotus Vinylcloth doors normally come with a receiving channel into which the door is held closed. As an optional extra you can choose one of three latch/lock systems: Positive Latch, Latch & Privacy Snib or Commercial Latch & Keylock.

POSITIVE LATCH

Positive latching, operated from both sides, to prevent the door being pulled open from the jamb channel.

LATCH + PRIVACY SNIB

Latch with additional sniblock on one side and emergency release on the other side. Supplied interchangeable left or right hand.

COMMERCIAL LATCH + KEYLOCK

Two sided cylinder keylock capable of being master keyed if required.

