



# WON-DOOR

FOLDING PARTITIONS  
FIRE & ACOUSTIC SOLUTIONS



The ultimate in accordion  
folding doors & partitions

## DuraSound & DuraFlex



Proudly supplying Australia since 1987



**DuraSound** acoustic model

**DuraFlex** non-acoustic model

Won-Door DuraSound & DuraFlex aluminium folding partitions increase building utility and flexibility by offering a range of both sound and sight barrier solutions for your space division.

Also known as room dividers, accordion doors or concertina doors.

Won-Door folding partitions have very little in common with traditional single track, pantograph style, fabric covered doors. They divide and separate space just as effectively – and even more beautifully – while providing superior insulation and durability.

WON-DOOR IS THE WORLD’S LARGEST MANUFACTURER OF ACCORDION TYPE FOLDING PARTITIONS AND IS RECOGNISED WORLD-WIDE AS THE INDUSTRY LEADER IN BOTH QUALITY & DESIGN

A great solution for dividing and separating spaces in many applications including;

- |                            |                        |          |                     |
|----------------------------|------------------------|----------|---------------------|
| Conference & Meeting Rooms | Educational Facilities | Offices  | Halls & Clubs       |
| Community Centres          | Gyms & Sports Clubs    | Churches | Multi-Purpose Areas |

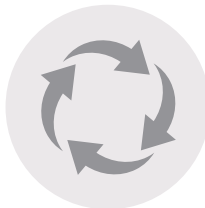
Whether it be acoustic (DuraSound) or just visual (DuraFlex) area separation, Won-Door is the perfect answer.

FEATURES OF DURASOUND & DURAFLEX FOLDING PARTITIONS



DURABILITY & LIFE SPAN

30+ year life span! With no internal parts to get damaged and patented v-grooved aluminium panels, Won-Door is designed to last as long as the buildings in which they are installed.



SMOOTH, EFFORTLESS OPERATION

Lightweight aluminium partitions are easy to operate (18kg m2 for DuraSound & 9kg m2 for DuraFlex).



EASY INSTALLATION

DuraSound to be installed by qualified personal with minimum inconvenience, while DuraFlex can be installed by customer or Won-Door personal if required.



IN-PLACE REPAIRABILITY

With simple tools, in-house maintenance staff can repair any damaged parts by simply removing and replacing panels, hinges or rollers.



NO FLOOR TRACK

Won-Door’s design eliminates the need for troublesome floor tracks and exposed hardware.



COLOURS & FINISHES

Attractive and modern powder coat finishes available.



WONDOOR IS THE MOST COST-EFFECTIVE PARTITION ON THE MARKET

The cost of any partition is not just the purchase price, but the total cost over its effective lifetime. Won-Door folding partitions perform multiple functions, cost less to install and maintain, while longer than any other folding partition.



LATCHES & LOCKS

Won-Door comes standard with a Latch closing mechanism to fix the door in the closed position. A Lock & Key mechanism for added security can also be specified.





# DuraSound

Acoustically rated folding partitions



Won-Door DuraSound has an STC43 acoustic rating and is ideal for separating and dividing off areas where a sound barrier is required. DuraSound is commonly specified in Classrooms & Meeting Rooms, Conference Centres and many other applications where larger areas are divided into smaller multi-use spaces. DuraSound provides superior acoustic insulation and durability at a very cost effective price.

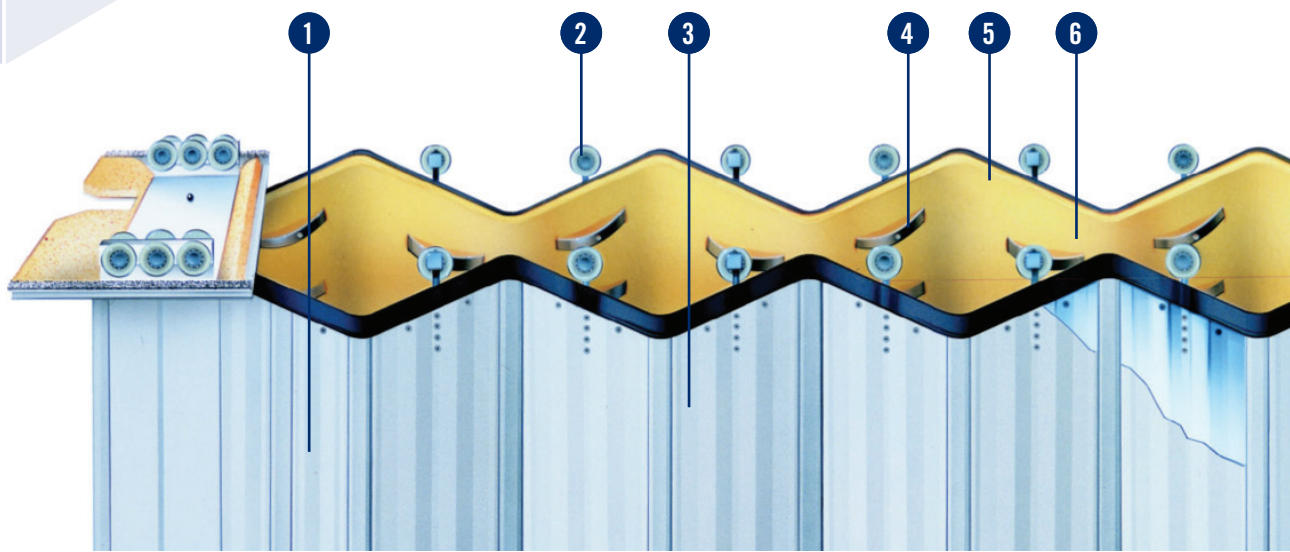
DuraSound acoustic partitions operate on a patented twin track system. Unlike other pantograph style partitions, DuraSound is engineered with no internal parts to get damaged or fail under operation. Won-Door DuraSound is a double walled aluminium partition with an internal air cavity designed to absorb a tremendous amount of abuse without showing a dent or scratch on the door. This air space between the two aluminium walls creates an effective cushion against even the most severe blows.

Available in heights up to 6m and virtually no limitations for width (for doors over 4m tall Motorization is recommended).

**DuraSound Construction**

DuraSound is constructed of two walls of aluminium panels. Both walls are continuously lined inside with sound dampening insulation blanket.

Each panel has its own ball bearing roller and therefore never carries more than the weight of one panel. With the Lead Post at the front of the door supported by 12 ball bearing rollers on its own trolley.



- 1

Aluminium panels powder coated to provide an exceptionally hard waring finish.
- 2

Every single panel is supported by its own ball bearing roller.
- 3

Individual aluminium panels 'v-grooved' for maximum strength.
- 4

Patented stainless steel clip securing insulation blanket inside of door.
- 5

No internal parts to get damaged or fail under operation.
- 6

Dramatically effective, double layer of continuous insulation blanket.

**Acoustic Performance** - DuraSound has an STC43 rating.

**What is STC?** Sound Transmission Class (STC) is an integer rating of how well a building partition attenuates airborne sound. Numerical values for STC are comparable to Rw values (Weighted Sound Reduction) . As a guideline it is commonly accepted that an Rw33 (or STC33) rating is suitable for primary schools and small meeting rooms. While an Rw38 (or STC38) is appropriate for meeting rooms, church halls and classrooms.

The performance of an acoustic partition also depends on the building in which it is installed. Peripheral leakage can occur through the ceiling, floor or even through air conditioning vents and can limit the effectiveness of an acoustic partition.

| STC | WHAT CAN BE HEARD                           |
|-----|---------------------------------------------|
| 25  | Normal speach is easily understood          |
| 30  | Normal speach is audible but not understood |
| 35  | Loud speach is understood                   |
| 40  | Loud speach is audible but not understood   |
| 50  | Shouting is barely audible                  |



# DuraFlex

## Non-Acoustically Rated Folding Partition



Won-Door DuraFlex is ideal for area separation and room division where sight line barriers and privacy barriers are required. This model will still prevent some sound transfer but is not an acoustically rated partition.

DuraFlex is a single wall, single track version of the DuraSound model and is a great solution when dividing spaces requiring visual separation rather than sound proofing. DuraFlex is a simple and low-cost solution for area separation.

Available in unlimited widths and heights up to 3.4m. Curved options are also available.



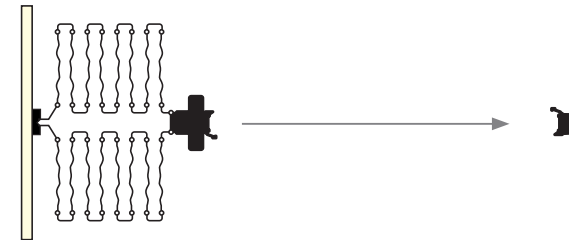
DuraFlex can be supplied with or without a Bottom Sweep as per the images shown.



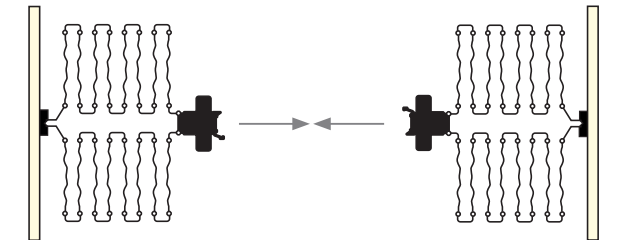
## DuraSound & DuraFlex Configurations

Won-Door's unique design provides numerous possibilities for dividing up spaces. From traditional Single Parting & Bi-Parting options to multiple doors intersecting.

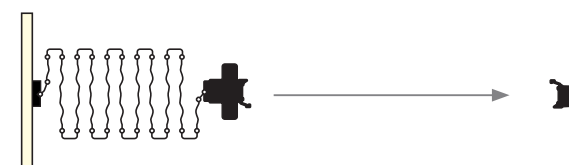
### DuraSound Single Parting Opening



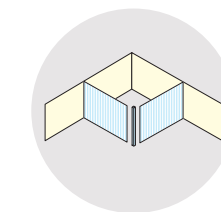
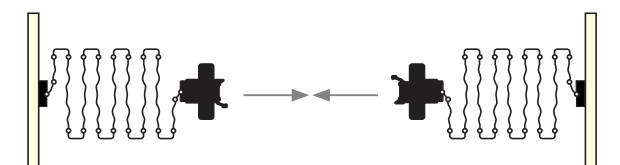
### DuraSound Bi-Parting Opening



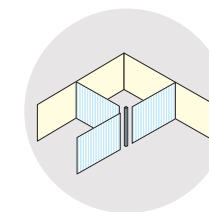
### DuraFlex Single Parting Opening



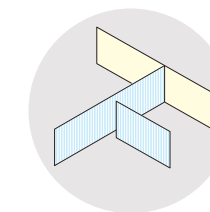
### DuraFlex Bi-Parting Opening



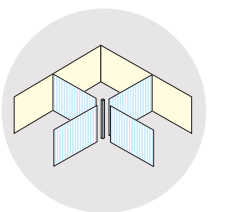
2-WAY 90° MEETING



2-WAY INTERMEDIATE



3-WAY MEETING



4-WAY MEETING

*"Won-Door installed DuraSound doors in our Auckland and Dunedin offices. The doors are excellent and the staff find them easy to use. We had them made in bright red with silver flexible strips and they have been described as awesome. Their sound deadening qualities are good and the ability to hold meetings on either side of them at the same time has enabled us to utilise our space more efficiently."*

**Richard Finlay –**

**Project Manager - Public Service Association, NZ.**

*"Just want to say thanks for the work with getting us the doors for our community centre. You have a really great team, very friendly, hardworking and they did a fantastic job with the install. The doors look great and will make a huge difference to what we are now able to offer our community."*

**Neil Tolan – Manager, Western Community Centre Hamilton.**

*"We are very satisfied with the doors. They get positive comments for their appearance from many club members, and they work well with good sound-proofing between the two sections of the room. We are also very satisfied with the service you and your colleagues provided and, especially, your focus on getting a quality job completed by replacing the original tracks. All the best. You have a great product and service!"*

**Derek Wilson – Rangiora Bridge Club**



# **WON-DOOR**

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