



WON-DOOR
FOLDING PARTITIONS
FIRE & ACOUSTIC SOLUTIONS



WON-DOOR NEW ZEALAND LIMITED

THE WORLD'S LARGEST MANUFACTURER OF
ACCORDION FOLDING PARTITIONS

PRODUCT BROCHURE

DURASOUND | DURAFLEX



www.won-door.co.nz

MODEL DURAFLEX
Non-acoustic sight barrier partition

SOLUTIONS

MODEL DURASOUND

Acoustic sound barrier partition

MODEL DURAFLEX

Non-acoustic sight barrier partition

DuraSound & DuraFlex aluminium accordion folding partitions increase building utility & flexibility by offering a range of sound & sight solutions for your space division.

Also known as room dividers, accordion walls and concertina doors, these powder-coat finish aluminium partitions can effectively open and close off spaces for a variety of applications.



- Easy to operate
- Lightweight
- Durable
- 3 Year Warranty



Won-Door New Zealand is a licensee of Won-Door Corporation in America who are the world's largest manufacturer of accordion doors and the world leader in design and innovation. Won-Door have been a trusted area separation solution here in the South Pacific for over 35 years.

With over 5,000 installations, Won-Door is the most cost-effective partition on the market with an unrivaled 20+ year lifespan.

- Manufactured here in New Zealand (NZ Owned)
- Lightweight
18kg/m² for DuraSound & 9kg/m² for DuraFlex
- Easy to operate and use
- Extremely durable and hard wearing
- No floor tracks, completely top hung assembly
- Minimum maintenance required
- Market Leading 3 Year Warranty

Won-Door folding partitions perform multiple functions, cost less to install & maintain and last longer than any other folding partition.

MODEL DURASOUND - Acoustic sound barrier partition



- Twin-walled partition, operating on a patented twin-track assembly
- Powder coated “v-grooved” aluminium panels, connected via a colour matched vinyl hinge
- Lined inside with an acoustic blanket and designed with an internal air cavity to absorb even the most severe blows
- STC43 rated sound barrier ideal for separating/dividing teaching & learning environments
- Lightweight, simple to operate and market leading durability

SPEC

- Heights up to 6m and virtually no limitations for width
- Single & Bi-Parting configurations
- Can be stacked away into pockets
- Motorization available



MODEL DURAFLEX - Non-acoustic sight barrier partition



- Single-walled partition, operating on a patented single-track assembly
- Powder coated “v-grooved” aluminium panels, connected via a colour matched vinyl hinge
- Ideal for area separation and room division where sight line barriers and privacy barriers are required
- Great solution when dividing spaces requiring visual separation rather than sound proofing
- Simple to install, low-cost solution for area separation

SPEC.

- Heights up to 3.4m and virtually no limitations for width
- Single & Bi-Parting configurations
- Can be stacked away into pockets
- Curved designs available



SPECIFICATIONS & DESIGNS - Model DuraSound

Acoustics

DuraSound is the most effective sound rated accordion door in New Zealand with an STC 43 rating which is well above the rating of a normal stud wall (approximately STC 32). DuraSound is capable of creating a sound barrier which reduces loud speech to a barely audible noise. This application is perfect where private conversations may occur or to create two areas where conversations can be held separately.

Durability

DuraSound has a patented v-grooved aluminium panel designed to absorb the most severe blows providing an unrivalled 30 year lifespan. Unlike other cumbersome pantograph style accordion doors, DuraSound has a 1:1 roller ratio of one wheel for every panel with no internal hardware to get damaged resulting in minimum maintenance and decades of trouble free operation.

Cost effectiveness

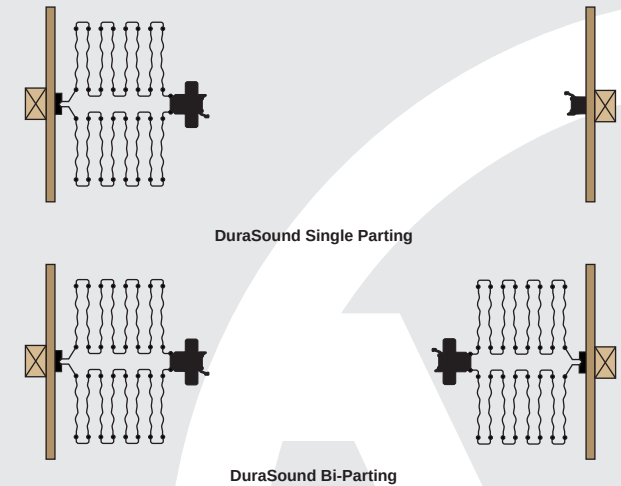
The cost of any accordion partition is not just the purchase price but the total cost over its effective lifetime. DuraSound accordion partitions perform multiple functions, cost less to install and maintain, while lasting longer than any other folding partition on the market.

Versatility

DuraSound provides designers and building occupants the flexibility to acoustically divide and separate large environments into smaller teaching and learning spaces. Because DuraSound is an aluminium accordion door it is the lightest solution on the market and can be operated by anyone.

Stack depth ratio

DuraSound stacks up to 146mm per L/m + 152mm for the Leading Post.



Technical data - DuraSound

Panel width	114mm
Panel thickness	1.50mm
Hinges	Continuous flexible PVC
Wheels	Nylon coated ball bearing
Seals	Rubber
Track	Extruded aluminium track
Hardware	Aluminium handles, latch
Lock (Optional)	Lock & key mechanism
Finish	Powder coated aluminium
STC rating	43 (tested to ASTM-E90-66T)
Weight	18Kgs/m ²
Max height	6000mm*
Max width	No limitation
Stack depth	Approx. 17% of opening width
Stack width	290mm

* Heights above 4000mm, motorization recommended

SPECIFICATIONS & DESIGNS - Model DuraFlex

Privacy

DuraFlex is our most cost-effective accordion partition and is the ideal application for closing off areas to create a sight/privacy barrier without the need for sound reduction. DuraFlex will still stop some sound transfer, however it is not an acoustically rated partition.

Curvability

DuraFlex also has the option to curve it's track so that the door can mold itself to the required opening. Curves are supplied in standard 5' and 10' radius curves, but can be modified if necessary.

Stack efficiency

A DuraFlex is a great option to create a flexible opening that doesn't take up space like a standard door while also being able to fill spaces that a standard door cannot. The DuraFlex door helps you create & divide your space, when you need it.

Versatility

DuraFlex provides designers and building occupants the availability to divide and separate larger environments into smaller teaching and learning spaces. Because DuraFlex is an aluminium accordion door it is the lightest possible solution on the market and can be operated by anyone.

Stack depth ratio

DuraFlex stacks up to 125mm per L/m + 64mm for the Leading Post.



DuraFlex Single Parting



DuraFlex Bi-Parting

Technical data - DuraFlex

Panel width	114mm
Panel thickness	1.50mm
Hinges	Continuous flexible PVC
Wheels	Nylon coated ball bearing
Seals	Rubber
Track	Extruded aluminium track
Hardware	Aluminium handles, latch
Lock (Optional)	Lock & key mechanism
Finish	Powder coated aluminium
Weight	9Kgs/m ²
Max height	3400mm
Max width	No limitation
Stack depth	Approx. 14% of opening width
Stack width	140mm



APPLICATIONS

Won-Door New Zealand's DuraSound and DuraFlex model area separation solutions can be installed into a multitude of applications providing designers and building occupants with the freedom and flexibility to fully utilize any environment.

Trusted since 1987, Won-Door have built a proud reputation of durability, reliability and affordability.



Education

- Breakout spaces
- Classrooms & Teaching areas
- Libraries
- Performing Arts
- Kindergartens & Early Learning Centres

Clubs & Gyms

- Separation of gaming & hall areas
- Dining Areas & Serveries
- Bars & Bistros

Community Halls

- Dance & Martial Arts Classes
- Functions
- Yoga Studios

Churches

- Teaching Areas
- Chapel/Hall separation
- Youth/Sports Activities

Offices

- Conference & Meeting Rooms
- Staff & Lunch Rooms
- Board Rooms
- Office partitioning

Health & Beauty

- Waiting Rooms
- Beauty & Spa Rooms

COLOURS & TRACK DESIGNS

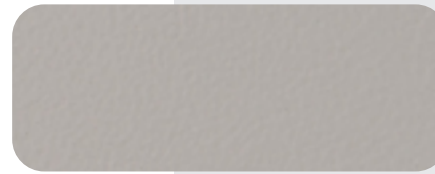
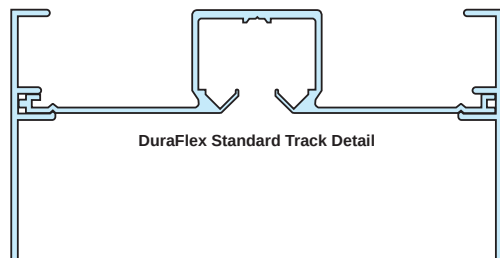
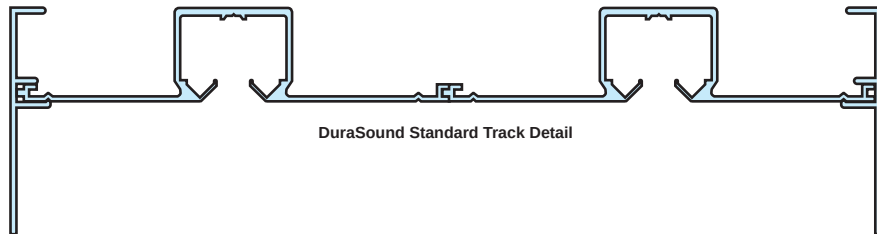
DuraSound & DuraFlex have a variety of Track specification options to work in with your project.

- Standard (shown below)
- Bulkhead Mounted
- Recessed Header
- Flush Track
- Suspended Ceiling
- Narrow Track (DuraFlex only)

DuraSound typically needs a 310mm wide timber header and matching 310mm wide wall jambs.

DuraFlex typically needs a 160mm wide timber header and matching 160mm wide wall jambs.

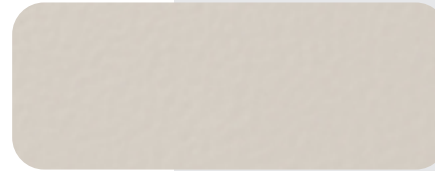
Note: DuraFlex can be specified with Narrow Track for headers down to 50mm in width.



Platinum Ripple



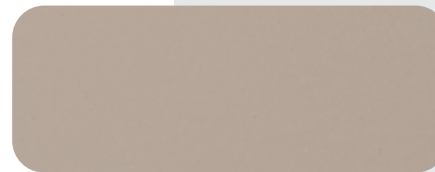
Matt Navy



Almond Ripple



Metro Silver Pearl Kinetic



Matt Bronco



Matt Black



Matt Gull Grey



Matt Rivergum Beige

Won-Door's aluminium partitions are powder coat finished using DULUX DURALLOY and available in either Smooth or Ripple finishes. Ripple powders have a textured coating for added durability in hard-wearing environments and have been custom designed by Dulux especially for Won-Door New Zealand.

Extended range of technical details and colour selections available upon request. Contact Won-Door to discuss how our partitions could be incorporated into your building.



CASE STUDY

This Church of Jesus Christ of Latter-day Saints chapel was completed in Auckland in 2022 with five DuraSound model Won-Door's installed in the Chapel & Teaching Areas. A large Bi-Parting 15m wide x 3.6m tall DuraSound acts as an acoustic area separation barrier between the Chapel and Culture Hall, with another four Single Parting 6m wide x 2.8m tall DuraSound acoustic partitions specified to create flexible classroom environments throughout the buildings Teaching Areas.

The five DuraSound partitions not only visually separate the spaces but also improve the acoustics in each area by minimising the sound transmission between rooms. This is particularly important in a building where multiple events and activities take place simultaneously. The partitions allow the building to be used for a variety of purposes, from teaching areas to community events and large gatherings.

Won-Door New Zealand has been supplying accordion folding partitions for The Church of Jesus Christ of Latter-day Saints since 1987, with thousands of installations throughout New Zealand, Australia and the Pacific Islands. Providing customized solutions to meet unique project requirements, Won-Door has helped the Church create functional and flexible spaces that enhance the worship experience for all who use them.

Overall, the installation of these five DuraSound model Won-Doors has transformed this Church of Jesus Christ of Latter-day Saints Stake chapel into a versatile and welcoming space. By incorporating folding partitions that provide acoustic separation, flexibility, and adaptability, the Church has created an environment that can be used for a wide range of activities and events, while still maintaining a peaceful and worshipful atmosphere.



FROM THE CLIENT

"The Won-Door system is appropriate for dividing our large cultural halls and teaching areas into smaller teaching spaces. This system provides versatile space configuration and usage possibilities.

The key reasons we have kept using Won-Door Folding Partitions are:

- *The DuraSound Folding Partition provides versatility to accommodate two different types of adjacent activities (i.e. Congregational singing and teaching)*
- *They require minimal maintenance*
- *They are robust enough to sustain consistent impact from indoor sports activities*
- *They have a long lifespan – there are meetinghouses that have 35-year old installations"*

Natham Apiata - Regional Facilities Manager
CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS





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CONTACT US

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