

SPECIFICATIONS: WON-DOOR DURAFLEX (SIGHT & PRIVACY BARRIER PARTITION)

ACCORDION FOLDING PARTITIONS

PART 1 - GENERAL

1.01 SUMMARY OF WORK

- A. Furnish and install all accordion folding partitions shown on the drawings and specified herein.
- B. All headers, support structures, surrounding insulations, jambs, pocket doors, blocking, architraves and trim shall be furnished and installed by others.

1.02 QUALITY ASSURANCE

- A. It is recommended that installation is carried out by factory trained personal. However, DuraFlex can be supplied with DIY instructions by a builder or someone capable with tools.

1.03 SUBMITTALS

- A. Specification listed as either Single Parting, Bi-Parting or Rolling Lead Post.
- B. Indicate Clear Opening Width & Clear Opening Height of partitions (height is from underside of header to top of flooring coverings).
- C. Indicate required stack depth & pocket width (if applicable).
- D. Show installation details and layout.

1.04 DELIVERY, STORAGE & HANDLING

- A. Deliver to job site in manufacturer's original and unopened packaging.

1.05 COORDINATION BY GENERAL CONTRACTOR

- A. Coordinate the efforts of the various trades affected by the work of this section. Assure accurate construction of header, jambs and trims. Provide "As-Built" Final Fabrication dimensions of each opening on forms provided by manufacturer.
- B. Supervise unloading and handling. Store boxes flat (no more than three high) in a dry area and protect from elements that may damage the materials. Replace any damaged materials at no additional cost to the owner.

1.06 WARRANTY

- A. Materials shall be warranted against defects and workmanship for a period of three (3) years from the date of installation.

PART 2 – PRODUCTS

2.01 MANUFACTURER

- A. Folding partitions shall be DuraFlex model as manufactured by Won-Door New Zealand Limited and Won-Door Australia Pty Ltd.

2.02 MATERIALS

- A. **Operation:** Shall be top hung and manually operated (no floor track)
- B. **Construction:** Shall consist of one accordion-type folding partition wall of panels independently suspended from top track.
- C. **Panels:** Shall be formed of 115mm wide x 1.6mm thick extruded aluminium, V-grooved and powder coated for added strength. Panels shall be connected by full height extruded vinyl hinges.
- D. **Suspension & Track System:** Shall consist of a single extruded aluminium track attached to the overhead structural support.
- E. **Trolleys:** Each panel shall be suspended by a 9.5mm diameter aluminium hanger pin and a 25mm diameter nylon-tyred ball bearing roller. Each Lead Post shall be suspended by a 6-wheel ball bearing aluminium trolley.
- F. **Lead Posts:** Shall be of 1.9mm extruded aluminium and shall be connected to the partition by specially designed aluminium Wall Jamb panels.
- G. **Striker (receiver):** Shall be of 1.9mm extruded aluminium and shall be secured to wall with fasteners by Won-Door. Striker face to be fitted with full height acoustic seal.
- H. **Perimeter Seals:** Shall consist of continuous extruded vinyl sweep strips attached to the top & bottom of the partition. Leading edges of Lead Posts and Striker receiver posts shall be acoustically sealed by extruded vinyl interlocking seals.
Note: *NO BOTTOM SWEEP can be specified on DuraFlex as OPTION (refer 2.02 L).*
- I. **Handle:** Lead Post Handles shall include standard grip-type aluminium handles and sliding latch to affect closure.
Note: *LOCK AND KEY mechanism can also be specified as OPTON (refer 2.02 M).*
- J. **Hanging Weight:** shall be 9.75kg per m².
- K. **Fixings:** All necessary track and fixing screws are supplied
- L. **OPTION: NO BOTTOM SWEEP:** DuraFlex can be specified with NO BOTTOM SWEEP. Aluminium panels are supplied 30mm longer and finish 5mm from flooring. Header must be parallel with floor across entire length of opening with a tolerance of +/- 2mm.
- M. **OPTION: LOCK AND KEY:** DuraFlex can be specified with a LOCK AND KEY mechanism for added security. Standard specification is for a Latch closure mechanism only.

2.03 COLOURS

- A. Powder coat finish colours to be selected from manufacturer's standard colours.

PART 3 – EXECUTION

3.01 PREPERATION BY GENERAL CONTRACTOR

- A. Openings shall be constructed to the dimensions specified & approved.
- B. Openings to be straight, plumb and level.
- C. Headers to be parallel with the finished floor to within +/- 5mm over the entire length of the opening. *Note if 2.02 L OPTION: NO BOTTOM SWEEP is specified then +/-2mm is required.*

3.02 INSTALLATION

- A. Install partitions in accordance with manufacturer's instructions.
- B. Upon completion of the installation, the General Contractor shall protect partitions from damage and replace or repair subsequent damage so that the partitions are acceptable to the architect, at no additional cost to the owner.

PART 4 – FURTHER SPECIFIERS INFORMATION

4.01 ELEVATION DESIGN SPEC

- A. Single Parting – single partition which stacks entirely to one side when in the open position and latches closed at the other side.
- B. Bi-Parting – two partitions which stack to each side when in the open position and latch together in the middle.
- C. Rolling Lead Post – single partition which can latch closed at both sides and stack open at both sides.

4.02 PLAN VIEW DESIGN SPEC

- A. Straight door – all track types can be specified.
- B. Curved door – only T-01 Narrow Track can be specified (contact manufacturer for information on curved model DuraFlex partition).

4.03 TRACK DESIGN SPEC

- A. T-01 Narrow Track (42mm width). *T-01 Narrow Track Must be used on Curved doors.*
- B. T-02 Suspended Ceiling Track (128mm wide).
- C. T-11 Standard Track with Soffit (160mm wide).
- D. T-11 Standard Track without soffit (155mm wide).

Tracks generally supplied as standard to match colour of partition. Arctic White, or other colours can be specified for the Track system to tie in with surrounding ceilings/bulkheads. Refer manufacturers Technical Details for further information on track types and designs.

4.04 ADDITIONAL HANDLES AND PENDANT PULLS

- A. DuraFlex under 2.300m tall is supplied with standard set of Handles.
- B. DuraFlex 2.300m – 3m tall is supplied with additional set of Handles for ease of operation.
- C. DuraFlex 3.000m – 3.400m tall is supplied with standard set of Handles and Pendant Pulls.

4.05 STACK DIMENSIONS

- A. Stack Depth for DuraFlex is 125mm per lineal meter of opening plus 64mm for Lead Post. For Bi-Parting partitions use half the width of the opening.
- B. Thickness of the door when Stacked Open is 140mm.

4.06 MAXIMUM DIMENSIONS

- A. 3.4m high with almost no limitations in width.

4.07 REQUIRED DIMENSIONS FOR MANUFACTURE

- A. Fully detailed and authorised measurements of the opening are required on Fabrication Measurements Forms provided by Won-Door.
- B. Typical opening measurements required:
 - Width at top of opening.
 - Height at 2m intervals across length of opening.
 - Floor Covering thickness.