



0527 Room Dividers

Document version: 2.0

Published date: 30/11/2022

Disclaimer: The information within this document once printed/exported will be classed as an uncontrolled copy. Its currency must be checked by visiting the EFSG/Technical Standards website prior to using the information for any purposes.

Table of contents

0527 Room Dividers.....0

 Table of contents.....1

 List of tables1

 List of figures1

 00 Design principles.....2

 0.01 Main considerations2

 Specification2

 01 General.....2

 02 Products2

 03 Execution.....2

 03.1 Panels.....2

 04 Selections.....3

 04.2 Accordion Doors4

 04.3 Operable Walls5

List of tables

No table of figures entries found.

List of figures

No table of figures entries found.

00 Design principles

0.01 Main considerations

It is a requirement to undertake the [00 PLANNING AND DESIGN/0001R - DESIGN REFERENCE](#) and [GLOSSARY OF TERMS](#) information into all aspects of design, detailing and delivery when developing the content here within. Clear demonstration of adherence to these requirements is part of the services and will be called upon at key points in the project and during at the discretion of the Department of Education (DoE).

Specification

01 General

As per current NATSPEC except as follows:

GUIDE NOTE: Refer to the [00 PLANNING AND DESIGN/0001C DESIGN CHECKLIST - ACOUSTICS](#) for room to room noise control requirements

02 Products

As per current NATSPEC.

GUIDE NOTE: The following clause takes precedence over the appropriate NATSPEC Building Template/Worksection clause

03 Execution

As per current NATSPEC except as follows:

03.1 Panels

Fibre cement panel - safety shower

GUIDE NOTE: Insert project specific locations.

Refer to [DESIGN COMPONENTS](#) for the relevant sized standardised science hub

GUIDE NOTE: Fibre cement panel toilet and shower cubicle partitions are not acceptable.

Location:

General: Proprietary flat sheet, sanded to smooth finish to both faces. Panels to be framed at edges

Type

- Autoclaved high density
- Thickness (minimum): 9mm

Preparation and protection

- Prepare base to receive partitions
- Protect existing work from damage during installation and make good any damage.

Installation

- Install the partitions plumb, level, on their correct alignments, and firmly fixed.

Fixing

- Floor: Proprietary corrosive resistant expansion type anchors.
- Masonry wall: Proprietary corrosive resistant expansion type masonry anchors.
- Framed wall: Corrosive resistant compatible screws suitable for fixing to the frame (eg timber or metal framing)
- Top fixing: Provide adequate support to the partitions by fixing to the ceiling or a metal channel head rail brace.

Sealing

- Seal partitions at floor and wall junctions with a proprietary premium quality sealant.

Finish

- Paint Gloss paint finish
- Colour:

04 Selections

As per current NATSPEC except as follows:

04.2 Accordion Doors

Accordion doors schedule

GUIDE NOTE: Include the following information in the accordion doors schedule, refer to NATSPEC Building Template/ Worksection. Include list of location/s where accordion doors are required.

Folding door panels

- Panels: Maximum panel width - 200 mm, arranged in a twin row, accordion configuration
- Facings: Vinyl bonded with high peel-strength plastic glue.
- Vibrating damping material: Install on inner surface of each panel.

Suspension system

- Support track from a vertical acoustic baffle in the ceiling void all in accordance with manufacturers recommendations.

Construction tolerances

- Floors shall be level in the path of the partition with a tolerance of no more than +/- 6 mm in 3000 mm and shall include a smooth faced threshold strip.
- Jambs shall be plumb. The max. variation in opening width shall be +10 mm.
- Track shall be adjusted and levelled at installation.

Operation

- Partitions shall be top-supported manually operated doors.
- When fully extended and locked the accordion door shall provide a complete sound retardant closure of the opening and be laterally stable.
- Stacking arrangement: In areas nominated on the drawings
- Maximum overall stack width (including stile): 500 mm

Track material

- Anodised extruded aluminium overhead track.

Carriages wheels

- Two steel rimmed ball bearing, nylon tyred wheels installed to each module.

Warranty

- The accordion doors shall be fully guaranteed by the manufacturer against defects in workmanship or materials for a period of 12 months from the date of installation.

Acoustic performance

- Weighted Sound Reduction Index (Rw) to [AS /NZS ISO 717.1](#): 38.

Accessories and trim

- Fit continuous vinyl finger-type seal at the top and bottom of the door. Jambs shall have a double continuous vertical acoustic seal.

04.3 Operable Walls

Operable walls schedule

GUIDE NOTES:

Include the following information in the operable wall schedule, refer to NATSPEC Building Template/ Worksection

Location:

Door arrangement

- Floating Pass door: Hinged to one jamb
- Height: Full height
- Width: 900 mm clear opening

Folding door panels

- Size: Equal sized panels not more than 1200 mm wide.
- Facing: Pin board wall lining.

Refer to [05 INTERIOR/0511 LINING](#)

Suspension system

- Overhead structural support with an adjustable track support system all in accordance with manufacturer's recommendations.

-
- Removable panel/s

Refer to [05 INTERIOR/0511 LINING](#)

Construction tolerances

- Floors shall be level in the path of the partition with a tolerance of no more than +6 mm in any direction and shall include a heavy-duty threshold strip.
- Jambs shall be plumb. The max. variation in opening width shall be +6 mm. Track shall be adjusted and levelled at installation. Provide sufficient clearance at track ends to permit future adjustments of track without damage to material adjacent to track or partition.

Operation

- Partitions shall be top-supported manually operated panels.
- When fully extended and locked the operable wall shall provide a complete sound retardant closure of the opening and be laterally stable.
- Stacking arrangement: In areas nominated in the drawings.

Locating bolt

- Flush mounted locating foot bolt to be installed on the jamb of the operable wall panel adjacent to the pass door.

Track material

- Anodised or powder coated extruded aluminium or powder coated steel overhead track.
- Carriage wheels: Steel rimmed ball-bearing, nylon tyred wheel carriers to each panel

Warranty

- The operable room divider shall be fully guaranteed by the manufacturer against defects in workmanship or materials for a period of 12 months from the date of installation.

Acoustic performance

- Weighted Sound Reduction Index (Rw) to AS/NZS ISO 717.1:
- General Learning Areas in all schools: 45dBA minimum.

Other areas: GUIDE NOTE: Refer to [00 PLANNING AND DESIGN/0001C DESIGN CHECKLIST - ACOUSTICS](#) for room to room noise control.

Test certificate

- Certify that the partitions are of the same basic construction as that used to achieve the acoustic performance claimed by the manufacturer.
- Provide a current Australian Test Certificate from a NATA approved Testing Laboratory for tests.

Accessories and trim

- Vertical sound seals:
 - Anodised extruded aluminium stiles with two resilient PVC gaskets between each panel.
- Horizontal top seal
 - Mechanical operated, OR
 - Continuous contact vinyl balloon type, OR
 - Continuous contact finger type
- Horizontal bottom seal
 - Type: Spring loader cam-over throw mechanically operated expansion system with a downward pressure range between 40 to 50Kg.
- Construction, mechanically operated system: Metal
- Hardware: Pass door latch set
- Operation/maintenance manual (mandatory):
- Provide an operation and maintenance manual clearly showing the correct use of the operable wall and recommended servicing periods and procedures.
- Preference will be given to NSW based Maintenance and Service providers for all Operable Wall installations.