

GENERAL INFORMATION

The Teachwall 100 is a UK manufactured movable wall used in schools, universities, offices, conference & meeting rooms, training areas, hotels and banqueting suites.

FEATURES

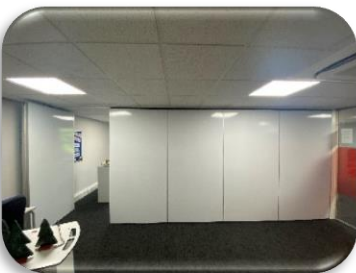
Our Teachwall 100 is a top quality acoustic movable wall system that allows you to optimise the use of available space with speed and ease.

This sophisticated system does not require a floor track and when positioned the panels form a rigid wall giving all the properties and appearance of a permanent wall.

The Teachwall 100 system comprises panels up to 1240mm wide which interlock to form a wall. Actual panel widths are determined by the site aperture, there are no standard size panels.

When moving a wall panel there is 20-25mm gap between the top of the panel to the underside of the track, there is a similar gap between the bottom of the panel and the floor. Once the panel is positioned, acoustic integrity is maintained along the top and bottom of the panel by extending pressure seals. The pressure seals are extended and retracted by the turning of a removable operating handle.

Final closure of the wall is achieved by extending a telescopic sleeve on the last panel. This action simultaneously extends the top and bottom seals. The rapid action mechanism, which operates the retractable seals, is designed to exert sufficient pressure to achieve the high levels of sound reduction offered. The retractable seals are designed to tolerate deviations in floor level and the deflections of the supporting structures. The tolerance limit is evaluated for each individual application.



100 Specification

Partition Assembly:

Refer to drawing for disposition of specified elements.

Panels:

- Full Aluminium frame with double skin cladding of 16 mm thick high-density chipboard. Wide range of panel finishes. Concealed panel edge profiles.

Panel size:

- Height: Up to 4 m as standard. Higher panels possible to special order.
- Width: Up to 1250 mm as standard. Wider panels possible to special order.
- Thickness 105 mm.

Operation:

- Manual relocation of panels. Seals operated by removable winding handle.

Acoustic performance:

- Can be used to limit noise transmission between rooms, using optional dense cladding, optional internal insulation. Teachwall panels have been tested to achieve sound reduction ratings of up to Rw 54 dB, measured in accordance with EN ISO 140 - 3. Insulation typically related to panel weight. Average achieved site insulation typically less than laboratory conditions, due to flanking structures.

Fire performance:

Track layout:

SB1 Tracking- Straight runs only, panels stacked within opening. Single track, single point suspension. Four wheel hanger.

SB2-SB10 Tracking - For 90° movement of panels away from main track, for remote stacking. Twin point cross roller suspension.

Track profile:

- Selection of material and profile by manufacturer, dependent on panel weight and other parameters. Consult manufacturer to confirm size.
- Ceiling angle trim allows masking of suspended ceiling edge.
- 20 mm recessed angle trim required to avoid partition panels fouling ceiling when using single point suspension.
- Recessed angle trim may be advisable in other applications, dependent on panel width and pattern of use.

Panel type:

Where panel type varies within the partition assembly, insert identifiers for panels after each selection.

- Corner, angle or T - junction panel.
- Glazed panel. Glazed area to choice. Minimum margins apply. Select from: single glazed/ double glazed/ double glazed with blinds.
- Standard panel.
- Single leaf inset pass door panel. Reduces overall acoustic insulation of installation. Select from: plain/ with vision panel.
- Double leaf inset pass door panel. Includes head panel and jamb on hinge side of door. Reduces overall acoustic insulation of installation. Select from: plain/ with vision panel.
- Telescopic closure panel. One TE panel required at end of run for each opening. Internal sleeve for visual neatness as standard, matching panel finish



Acoustic performance:

- Can be used to limit noise transmission between rooms.
- Tested to achieve sound reduction ratings of up to Rw 54 dB, measured in accordance with EN ISO 140 - 3.
- Insulation typically related to panel weight. Average achieved site insulation typically less than laboratory conditions due to flanking structure.

Acoustic insulation:

Choose from construction offering the following nominal performance:

- Rw 41 dB. Weight: 40 Kg/m².
- Rw 44 dB. Weight: 44 Kg/m².
- Rw 46 dB. Weight: 56 Kg/m².
- Rw 49 dB. Weight: 54 Kg/m².
- Rw 52 dB. Weight: 60 Kg/m².
- Rw 54 dB. Weight: 64 Kg/m².

Panel finish:

Where panel type varies within the partition assembly, insert identifiers for panels after each selection..

- Client supply finishing boards. Subject to weight, fixing type, spread of flame. Consult manufacturer.
- Laminate. Manufacturer's colour range. RAL colours and woodgrains from Standard Range, as standard.
- Melamine. Manufacturer's colour range. RAL colours and woodgrains from standard range
- Priming sheet. Applied sheet, ready for final finish by Contractor.
- Veneer. Manufacturer's range.

Panel vertical edge finish:

- Aluminium, satin anodised aluminium. As standard.
- Aluminium, powder coated any BS or RAL colour.

Approvals:

- Acoustic tests to EN ISO 140 – 3

Manufacturer:

AEG Teachwall Ltd
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