

TECHNICAL DATA SHEET

# MG100 Movable Acoustic Wall

ModernGlide Ltd • [movableacousticwalls.co.uk](http://movableacousticwalls.co.uk) • Issue: 2025

MAX RW

**59**

dB

FIS ACCREDITED

## Product Description

The MG100 is ModernGlide's flagship top-hung movable acoustic wall system. Individual panels slide along an overhead extruded aluminium track and seal together to create a solid, independently certified acoustic barrier. Panels suspend from the overhead track with no floor rail required, creating a completely clean floor-level finish and allowing uninterrupted movement across the floor plate when panels are stored in the dedicated parking bay.

The MG100 achieves independently certified acoustic ratings from Rw 38 dB up to Rw 59 dB. Performance is achieved through panel mass, multi-layer construction and automatic perimeter sealing systems — all independently tested to ISO 140-3 and rated in accordance with ISO 717-1. The system is installed by ModernGlide's FIS-accredited team with full project management from survey through to commissioning and handover.

## Key Technical Data Summary

MAX ACOUSTIC RATING

**Rw 59 dB**

SYSTEM TYPE

**Top-Hung Operable Wall**

MAX PANEL HEIGHT

**Up to 12,000 mm**

PANEL WIDTH RANGE

**650–1,250 mm**

## Technical Specification

System Type	Top-hung operable wall — movable acoustic partition
Panel Construction	Steel frame with acoustic infill
Panel Thickness	80, 90, 100, 110 and 120 mm (dependent on acoustic spec)

<b>Panel Width Range</b>	650–1,250 mm per panel
<b>Max Panel Height</b>	Up to 12,000 mm
<b>Max Opening Width</b>	Unlimited — multi-track configurations available
<b>Track System</b>	Extruded aluminium overhead track
<b>Track Finish</b>	Anodised or powder coated
<b>Suspension</b>	Steel suspension rods from structure
<b>Acoustic Seals</b>	Top and bottom — manual or automatic
<b>Pass Door</b>	Optional integrated pass door
<b>Fire Rating</b>	Available — consult technical team
<b>Acoustic Standard</b>	ISO 140-3 tested, ISO 717-1 rated
<b>Certification</b>	FIS accredited installation
<b>Origin</b>	UK and European manufactured

## Acoustic Performance Grades

All ratings independently laboratory tested to ISO 140-3 and rated in accordance with ISO 717-1.

GRADE	RW RATING	RECOMMENDED APPLICATION
<b>MG100 Standard</b>	<b>Rw 48 dB</b>	Suitable for open-plan office subdivision and general meeting rooms
<b>MG100 Enhanced</b>	<b>Rw 52 dB</b>	Enhanced specification for conference rooms and meeting suites
<b>MG100 High Performance</b>	<b>Rw 56 dB</b>	High performance for lecture theatres and boardrooms
<b>MG100 Premium</b>	<b>Rw 59 dB</b>	Maximum performance for recording studios and critical acoustic environments

## Design & Configuration Options

### Panel Finishes

- ✓ Fabric — wide colour range
- ✓ Vinyl — durable and cleanable
- ✓ Laminate — HPL or melamine
- ✓ Natural veneer — oak, walnut, ash
- ✓ Painted — RAL colour matching
- ✓ Client-supplied material accepted

### Panel Widths

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- ✓ 600 mm standard module
- ✓ 700 mm standard module
- ✓ 800 mm standard module
- ✓ 900 mm standard module
- ✓ 1,000 mm standard module
- ✓ Custom widths available

### Track Configurations

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- ✓ Single straight run
- ✓ Multi-directional layouts
- ✓ T-stop configurations
- ✓ L-stop configurations
- ✓ Curved track sections
- ✓ Dedicated parking bay options

### Acoustic Sealing Systems

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- ✓ DDA compliant floor track with rubber seal
- ✓ Rubber fixed bottom seal at floor
- ✓ Automatic seal activation
- ✓ Rubber fixed top seal at ceiling head
- ✓ Edge profile rubber seals between panels
- ✓ Manual seal operation

## Structural Loading Data

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- ✓ Dead load imposed on overhead structure
- ✓ Typical loads: 80–150 kg per metre of track length
- ✓ Varies by panel size, finish and configuration
- ✓ Full structural loading calculations provided with each project specification
- ✓ Structural survey carried out pre-installation

## Typical Applications

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- ✔ Conference halls and function suites
- ✔ School sports halls and multi-purpose spaces
- ✔ Corporate boardrooms and executive suites
- ✔ Places of worship
- ✔ Hotel ballrooms and event spaces
- ✔ University lecture theatres
- ✔ Community and leisure centres
- ✔ Healthcare and clinical environments

## Specifier Guidance

### Recommended Acoustic Performance

- ✔ General meeting rooms: Rw 48–52 dB
- ✔ Boardrooms and conference rooms: Rw 52–56 dB
- ✔ Lecture theatres: Rw 54–56 dB
- ✔ Critical acoustic environments: Rw 56–59 dB
- ✔ All ratings to ISO 140-3 / ISO 717-1

### Key Specification Considerations

- ✔ Structural capacity of the overhead slab or beam
- ✔ Coordination with ceiling contractor for track recess
- ✔ Parking bay location and floor plate impact
- ✔ Panel finish selection relative to usage frequency
- ✔ Sealing system: manual vs automatic
- ✔ Pass door requirement and fire rating if applicable

### Available Documentation

- ✔ NBS Chorus specification clauses
- ✔ CAD drawings (PDF and DWG)
- ✔ BIM objects (Revit compatible)
- ✔ Acoustic test certificates
- ✔ Structural loading calculations
- ✔ O&M manual
- ✔ Installation guidance
- ✔ Servicing and maintenance guide

## Maintenance & Servicing

The MG100 requires periodic servicing to maintain optimal acoustic performance and operational reliability. ModernGlide recommends an annual service visit covering inspection, lubrication, seal adjustment and performance testing. Servicing contracts are available for all installed MG100 systems.

- ✔ Annual service visit recommended
- ✔ Inspection, lubrication, seal adjustment

- ✔ Acoustic performance testing
- ✔ Nationwide service coverage

- ✔ Servicing contracts available
- ✔ FIS-accredited service engineers

MODERNGlide LTD

## Request a Full Technical Pack

Contact our technical team to receive NBS clauses, CAD drawings, BIM objects, acoustic test certificates and structural loading calculations for your specific project.

☎ 01932 918338

✉ [sales@modernslide.co.uk](mailto:sales@modernslide.co.uk)

🔗 [movableacousticwalls.co.uk](http://movableacousticwalls.co.uk)

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**FINISHES & INTERIORS SECTOR**



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## MG PRODUCT SERIES

MG100 – Movable Acoustic Wall

MG200 – Sliding Folding Partitions

MG400 – Sliding Wall Systems

MG500 – Flush Glazed Sliding Folding

MG600 – Glazed Office Partitions

MG700 – Glass Sliding Panels

MG900 – Crittall Style Sliding

MG100E – Fully Electric Walls

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## ACOUSTIC SYSTEMS

PanelHush Acoustic Systems

Acoustic Wall Panels

Acoustic Ceiling Baffles

Decorative Acoustic Panels

Office Acoustic Solutions

## SERVICING

Movable Wall Servicing

Operable Wall Maintenance

Repairs & Refurbishment