

TECHNICAL DATA SHEET

MG200 Hinged Folding Partition

ModernGlide Ltd • movableacousticwalls.co.uk • Issue: 2025

MAX RW

49
dB

FIS ACCREDITED

Product Description

The MG200 is a floor-supported hinged folding partition system designed for projects where the ceiling structure cannot support a top-hung operable wall. Unlike top-hung systems such as the MG100, the MG200 transfers its primary load through the floor track — making it a practical solution for buildings with limited overhead structural capacity, including many older commercial buildings, community facilities and education buildings.

Panels are connected and fold concertina-style, allowing large openings to be created or closed rapidly by a single operator. The MG200 achieves acoustic ratings from Rw 42 dB up to Rw 49 dB, independently tested to ISO 140-3 and rated in accordance with ISO 717-1. An integrated acoustic pass door is included as standard in every MG200 system. 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 49 dB

SYSTEM TYPE

Floor-Supported, Hinged Folding

MAX PANEL HEIGHT

Up to 4,000 mm

PANEL WIDTH RANGE

450–950 mm

Technical Specification

| | |
|--------------------|------------------------------------------|
| System Type | Floor-supported hinged folding partition |
| Panel Construction | SAA profiles with acoustic infill |
| Panel Thickness | 85 mm |
| | |

| | |
|-----------------------------|----------------------------------------------------|
| Panel Width Range | 450–950 mm per leaf |
| Max Panel Height | Up to 4,000 mm |
| Single Stack Opening | Up to approximately 8,000 mm |
| Bi-Parting Opening | Up to approximately 14,000 mm |
| Load Transfer | Through floor track — not ceiling structure |
| Pass Door | Integrated acoustic pass door as standard |
| Glazing Option | Glazed vision panels available |
| Fire Rating | Available to BS EN 1634-1 — consult technical team |
| Acoustic Standard | ISO 140-3 tested, ISO 717-1 rated |
| Certification | FIS accredited installation |
| Origin | 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 |
|-------------------------------|-----------------|-----------------------------------------------------------------|
| MG200 Standard | Rw 42 dB | Suitable for general meeting rooms and community spaces |
| MG200 Enhanced | Rw 46 dB | Training rooms and meeting suites requiring enhanced separation |
| MG200 High Performance | Rw 49 dB | Maximum performance for education halls and community buildings |

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 Options

- ✓ Solid panels throughout
- ✓ Mixed solid and glazed panels
- ✓ Full-height glazed panels
- ✓ Partial-height glazed sections
- ✓ Integrated pass door (standard)
- ✓ Vision panel options

Opening Configurations

- ✓ Single-stack — panels stack at one end
- ✓ Bi-parting — panels stack at both ends
- ✓ Single wing operation
- ✓ Centre folding operation
- ✓ End folding operation
- ✓ Consult technical team for specifics

Acoustic Sealing Systems

- ✓ DDA compliant floor track with rubber seal
- ✓ Rubber fixed bottom seal at floor
- ✓ Acoustic pass door seal as standard
- ✓ Rubber fixed top seal at ceiling head
- ✓ Edge profile rubber seals between panels

Structural Loading Data

- ✓ Primary load transfers through the floor track
- ✓ Ceiling structure requirements significantly reduced vs top-hung
- ✓ Structural survey carried out pre-installation
- ✓ Overhead guide rail provides lateral stability only
- ✓ Floor track must be continuous across the full opening width
- ✓ Full loading calculations provided with each project specification

Typical Applications

- ✓ Meeting rooms in buildings with limited ceiling structure
- ✓ Community centres and multi-use halls
- ✓ School halls and classrooms — older or refurbished buildings
- ✓ Training and conference rooms

- ✓ Churches and places of worship
- ✓ Healthcare and clinical environments
- ✓ Commercial offices where top-hung is not viable
- ✓ Leisure centres and sports facilities

Specifier Guidance

Recommended Acoustic Performance

- ✓ General meeting rooms: Rw 42–46 dB
- ✓ Training and community spaces: Rw 46–49 dB
- ✓ Education halls: Rw 46–49 dB
- ✓ All ratings to ISO 140-3 / ISO 717-1
- ✓ Consult technical team for project-specific targets

Key Specification Considerations

- ✓ Confirm ceiling structure cannot support a top-hung system
- ✓ Floor track continuity across the full opening width
- ✓ Panel finish durability relative to usage frequency
- ✓ Opening width — bi-parting vs single-stack layout
- ✓ Pass door position and acoustic rating
- ✓ Fire rating if required — confirm at design stage
- ✓ Engage at RIBA Stage 2 or 3 for floor track coordination

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 MG200 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 MG200 systems.

- ✔ Annual service visit recommended
- ✔ Acoustic performance testing
- ✔ Nationwide service coverage
- ✔ Inspection, lubrication, seal adjustment
- ✔ 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

🔗 movableacousticwalls.co.uk

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Unit 15A Highway Farm

Horsley Road, Cobham KT11 3JZ

01932 918338

sales@modernglide.co.uk



MG PRODUCT SERIES

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MG400 – Sliding Wall Systems

MG500 – Flush Glazed Sliding Folding

MG600 – Glazed Office Partitions

MG700 – Glass Sliding Panels

MG900 – Crittall Style Sliding

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