

TECHNICAL DATA SHEET

MG600 Flush Glazed Operable Wall

MAX RW

50

dB

FIS ACCREDITED

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

Product Description

The MG600 is a premium flush glazed operable wall system — a top-hung acoustic glass movable wall delivering Rw 45 to 50 dB with no floor track required. Independent glazed panels slide along an overhead aluminium track and stack when not in use, delivering uninterrupted flooring and a clean architectural finish throughout the space.

Acoustic performance is achieved through high-quality glazing combined with retractable top and bottom acoustic seals that deploy when panels are in the closed position — independently tested to ISO 140-3 and rated in accordance with ISO 717-1. The MG600 is the correct choice when both architectural transparency and high acoustic performance above Rw 43 dB are required, or when panel heights exceed 3,200 mm. 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 50 dB

SYSTEM TYPE

Flush Glazed Operable Wall, Top-Hung

MAX PANEL HEIGHT

Up to 4,400 mm

PANEL WIDTH RANGE

650–1,250 mm

Technical Specification

System Type	Flush glazed operable wall — top-hung, independent sliding panels
Frame Material	Powder coated aluminium — any RAL colour

Panel Thickness	110 mm
Top and Bottom Border	205 mm painted border
Edge Border	80 mm painted border
Panel Width Range	650–1,250 mm per panel
Max Panel Height	Up to 4,400 mm
Track System	Overhead aluminium track — no floor track required
Suspension	Roller system — single or double point
Acoustic Seals	Retractable top and bottom acoustic seals
Seal Operation	Manual or semi-electric
Glass Options	Low iron glass or clear glass
Access Doors	Full height or inset access door panel available
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
MG600 Standard	Rw 45 dB	Standard glazed operable wall performance for conference suites and corporate meeting spaces
MG600 High Performance	Rw 50 dB	Maximum performance acoustic glass for education, hospitality and high-specification commercial interiors

Design & Finish Options

Glazing Options

- ☑ Low iron glass — enhanced visual clarity

- ✓ Clear glass — cost-effective alternative
- ✓ High quality glazing for maximum light transmission
- ✓ Manifestation films available — wide range of patterns
- ✓ Privacy gradient films available

Frame Finishes

- ✓ Any RAL powder coat colour
- ✓ Bespoke colour matching available
- ✓ Consistent finish across all panels
- ✓ Aluminium framing throughout

Access Door Options

- ✓ Full height access door panel
- ✓ Inset access door panel
- ✓ Integrated within the movable wall system
- ✓ Acoustic seals maintained at door perimeter

Acoustic Sealing Systems

- ✓ Retractable top acoustic seal — deploys when panel is closed
- ✓ Manual or semi-electric seal operation
- ✓ Consistent seal performance across full panel height
- ✓ Retractable bottom acoustic seal — deploys when panel is closed
- ✓ Seals retract automatically when panels are moved

Typical Applications

- ✓ Conference centres requiring flexible glazed room division
- ✓ Hotel function suites and ballrooms
- ✓ Healthcare facilities requiring light and acoustic separation
- ✓ Commercial offices needing acoustic glass partition
- ✓ Corporate headquarters with premium glazed aesthetics
- ✓ University teaching and seminar spaces
- ✓ Spaces where panel height exceeds 3,200 mm
- ✓ Hospitality venues with flexible space layouts

Specifier Guidance

Recommended Acoustic Performance

- ✓ Conference suites and boardrooms: Rw 45 dB
- ✓ High-specification commercial interiors: Rw 50 dB
- ✓ Where Rw 50 dB is insufficient: specify MG100 solid system
- ✓ Where Rw 43 dB is sufficient: consider MG500 instead
- ✓ All ratings to ISO 140-3 / ISO 717-1

Key Specification Considerations

- ✓ Structural capacity for overhead track — heavier than MG500 due to 110 mm panel thickness
- ✓ Stacking bay must accommodate full panel run when open
- ✓ Retractable seal system: confirm manual or semi-electric at design stage
- ✓ No floor track — coordinate with flooring contractor for clean threshold
- ✓ Manifestation required under Building Regs Part M
- ✓ Access door type (full height or inset) to be confirmed at design stage
- ✓ Engage at RIBA Stage 2 or 3 for stacking arrangement 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 MG600 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 MG600 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.

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FINISHES & INTERIORS SECTOR



UK manufacturers of high-performance movable acoustic walls, operable walls, glazed partitions and acoustic panel systems. FIS accredited. Nationwide supply and install.

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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

SECTORS

Offices

Schools

Universities

Churches

Community Buildings

Conference Centres

Hotels

All Sectors

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NBS Specification

Technical Documents

Acoustic Performance

Specification Guidance

Downloads

FIS Accreditation

ACOUSTIC SYSTEMS

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Acoustic Ceiling Baffles

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Movable Wall Servicing

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