

TECHNICAL DATA SHEET

MG900 Single Glazed Partition System

ACOUSTIC

33dB

Rw Rating

FIS ACCREDITED

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

Product Description

The MG900 is a single glazed partition system with a 35mm slim aluminium Crittall-style frame. Individual glazed panels slide along an overhead track and can be configured in five operating modes — sliding folding, pivot, straight sliding, operable wall and single door — to suit the specific requirements of each space.

The system achieves Rw 33 dB acoustic performance, making it suitable for environments where visual openness and natural light are the primary design drivers alongside moderate sound separation. It is specified in offices, meeting rooms, hospitality venues, hotels and co-working environments.

The MG900 is designed to balance design impact, operational flexibility and acoustic performance — delivering a premium glazed partition aesthetic with the versatility of a multi-configuration single glazed partition system. All installations are carried out by ModernGlide's FIS-accredited team with full project management from survey through to commissioning and handover.

Key Technical Data Summary

ACOUSTIC RATING

Rw 33 dB

FRAME PROFILE

35mm Slim Aluminium

MAX PANEL HEIGHT

3,000 mm

MAX PANEL WIDTH

2,000 mm per panel

System Configurations: The MG900 is available in five operating configurations — single glazed sliding folding (top hung), single glazed pivot panel (top hung), single glazed straight sliding door panel (top hung), single glazed operable wall panel (top hung), and single glazed door panel. Fixed and operable panel combinations are also available.

Technical Specification

System Name	MG900 Glazed Sliding Folding Partition
System Type	Single glazed architectural partition
Frame Material	Extruded aluminium
Frame Profile	35mm slim section
Frame Finish	Matt black RAL 9005 (standard) / any RAL powder coat
Glass Type	Single glazed — clear, frosted or tinted
Glass Thickness	8mm toughened safety glass (standard)
Glass Options	Clear, low iron, frosted or tinted
Max Panel Height	3,000 mm
Max Panel Width	2,000 mm per panel
Acoustic Rating	Rw 33 dB
Track System	Overhead aluminium track
Acoustic Seals	Top and bottom brush acoustic seals as standard
Floor Track	Recessed floor track option available
Operating Configurations	5 — sliding folding, pivot, straight sliding, operable wall, single door
Access Door	Full height pass door — standard inclusion
Acoustic Standard	Laboratory tested to ISO 140-3, rated to ISO 717-1
Certification	FIS accredited installation
Origin	UK and European manufactured

Design & Specification Options

Glass Options

- ✓ 8mm toughened safety glass (standard)
- ✓ Clear float glass
- ✓ Low iron glass for enhanced visual clarity
- ✓ Frosted / satin glass
- ✓ Tinted glass
- ✓ Manifestation to Building Regulations Part M
- ✓ Anti-glare glass available on request

Frame Finish Options

- ✓ Matt black RAL 9005 (standard)
- ✓ Anthracite grey RAL 7016
- ✓ White RAL 9010
- ✓ Warm grey RAL 7035
- ✓ Bronze effect powder coat
- ✓ Any custom RAL powder coat colour

Operating Configurations

- ✓ Single glazed sliding folding system — top hung
- ✓ Single glazed pivot panel — top hung
- ✓ Single glazed straight sliding door panel — top hung
- ✓ Single glazed operable wall panel — top hung
- ✓ Single glazed door panel
- ✓ Fixed + operable panel combinations

Hardware Options

- ✓ Black powder coated handles (standard)
- ✓ Brushed chrome handles
- ✓ Flush pull handles
- ✓ D-bar pull handles
- ✓ Lever handle options
- ✓ Locking and privacy options

Track, Fixing and Ironmongery

- ✓ Overhead aluminium track
- ✓ Structural ceiling fixing
- ✓ Steel structure fixing
- ✓ Soft-close mechanism available
- ✓ Survey and bespoke solutions
- ✓ Concealed track options
- ✓ Timber ceiling fixing
- ✓ Recessed floor track option
- ✓ Locking and privacy options

Typical Applications

- ✓ Premium office and corporate fit-outs
- ✓ Reception and lobby space division
- ✓ Hotels and conference centre spaces
- ✓ Universities and higher education facilities
- ✓ Meeting rooms and boardrooms
- ✓ Hospitality and restaurant interiors
- ✓ Co-working and flexible workspace environments
- ✓ Retail and showroom interiors

Acoustic Performance

Rw
33dB

MG900 Single Glazed Partition System

Laboratory tested to ISO 140-3 and rated in accordance with ISO 717-1. Rw 33 dB provides meaningful sound separation for general office subdivision, meeting rooms and hospitality environments where visual openness is the primary design driver.

Acoustic Note: Rw 33 dB is suitable for moderate acoustic separation requirements. For projects requiring higher acoustic performance alongside glazed aesthetics, consider the MG500 (Rw up to 43 dB) or MG600 (Rw up to 50 dB). Confirm suitability with an acoustic consultant at design stage.

Specifier Guidance

Key Specification Considerations

- ✓ Confirm structural ceiling capacity for overhead track fixing
- ✓ Coordinate 35mm frame colour with interior scheme at early design stage
- ✓ Specify glass type (clear, low iron, frosted) to suit privacy and light requirements
- ✓ Confirm manifestation requirements under Building Regulations Part M
- ✓ Allow for recessed floor track detail in floor finish specification
- ✓ Engage at RIBA Stage 2 or 3 for complex multi-configuration layouts

Installation and Programme

- ✓ Early engagement recommended for multi-configuration layouts
- ✓ Typical lead time: 4 to 8 weeks from survey sign-off

- ✔ Site survey required before fabrication
- ✔ Structural ceiling check included in survey
- ✔ FIS-accredited installation team on all projects
- ✔ Commissioning and handover documentation as standard

Available Documentation

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

Maintenance & Servicing

The MG900 requires periodic servicing to maintain optimal operational reliability and appearance. ModernGlide recommends an annual service visit covering inspection, lubrication, track cleaning and hardware adjustment. Servicing contracts are available for all installed MG900 systems.

- ✔ Annual service visit recommended
- ✔ Hardware and roller adjustment
- ✔ Servicing contracts available
- ✔ FIS-accredited service engineers
- ✔ Inspection, lubrication, track cleaning
- ✔ Acoustic seal inspection and replacement
- ✔ Nationwide service coverage
- ✔ Commissioning documentation provided

MODERNGSLIDE LTD

Request a Full Technical Pack

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

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FIS ACCREDITED · UK & EUROPEAN MANUFACTURED · SINGLE GLAZED SLIDING FOLDING PARTITION



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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