

TECHNICAL DATA SHEET

MG400 Sliding Wall and Pocket Door System

MAX RW

43

dB

FIS ACCREDITED

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

Product Description

The MG400 is a high-performance sliding wall and pocket door system — a top-hung operable partition where panels slide along an overhead aluminium track and park in a concealed pocket within the wall construction. When open, the panels disappear entirely, creating a completely flush wall finish with no visible storage.

Acoustic performance up to Rw 43 dB is achieved through panel construction and perimeter sealing, independently tested to ISO 140-3 and rated in accordance with ISO 717-1. With panel heights up to 4,000 mm and a wide choice of premium finishes including natural veneers, high-pressure laminates and fabric, the MG400 integrates effortlessly into high-specification office, hospitality and residential interiors. 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 43 dB

SYSTEM TYPE

Straight Sliding / Pocket Door

MAX PANEL HEIGHT

Up to 4,000 mm

PANEL WIDTH RANGE

650–4,000 mm

Technical Specification

System Type	Straight sliding wall or pocket door system — top-hung
Panel Construction	SAA profiles with acoustic infill
Panel Thickness	85 to 100 mm

Panel Width Range	650 to 4,000 mm
Max Panel Height	Up to 4,000 mm
Track System	Overhead aluminium track
Track Finish	Recessed or surface-mounted
Ironmongery	Flush or T Bar handle
Glazing	Glazed vision panels available
Acoustic Standard	ISO 140-3 tested, ISO 717-1 rated
Hardware	Concealed top pivot system
Sealing Systems	Top and bottom rubber seals, edge profile rubber seals
Pocket Door Option	Fully concealed within wall construction
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
MG400 Standard	Rw 38 dB	Suitable for general office subdivision and open-plan separation
MG400 Enhanced	Rw 43 dB	Private meeting rooms, quiet zones and confidential workspaces

Acoustic performance is achieved through panel mass, multi-layer panel construction with acoustic infill, and automatic top and bottom rubber seals. Edge profile rubber seals minimise flanking paths between panels.

Design & Finish Options

Panel Finishes

- ☑ Natural veneer — oak, walnut, ash, wenge

- ✓ High-pressure laminate (HPL)
- ✓ Fabric — wide colour range
- ✓ Vinyl — durable and cleanable
- ✓ Painted — RAL colour matching
- ✓ Client-supplied material accepted
- ✓ Continuous grain matching on veneer

Track and Configuration

- ✓ Recessed ceiling track
- ✓ Surface-mounted track
- ✓ Concealed pocket door configuration
- ✓ Single panel sliding
- ✓ Multi-panel sliding
- ✓ Bi-part configurations

Hardware Options

- ✓ Concealed top pivot system
- ✓ Soft-close mechanism
- ✓ Flush handle option
- ✓ T Bar handle option
- ✓ Lever handle options
- ✓ Satin anodised finish
- ✓ Powder coated — any RAL
- ✓ Glazed vision panels available
- ✓ Full-height glazed panels available

Acoustic Sealing Systems

- ✓ Top rubber seal — compressing against ceiling
- ✓ Bottom rubber seal — compressing against floor
- ✓ Edge profile rubber seals between panels
- ✓ Seals minimise flanking paths for rated acoustic performance
- ✓ DDA compliant floor track option

Typical Applications

- ✓ Premium corporate offices and boardrooms
- ✓ Law firms and professional services interiors
- ✓ High-specification residential open-plan spaces
- ✓ Healthcare consultation rooms
- ✓ Hospitality private dining rooms
- ✓ Education quiet study and tutorial spaces

- ✓ Open-plan offices requiring acoustic subdivision
- ✓ Spaces where seamless flush wall finish is required

Specifier Guidance

Recommended Acoustic Performance

- ✓ General office subdivision: Rw 38 dB
- ✓ Private meeting rooms: Rw 43 dB
- ✓ For higher performance, consider MG100 (Rw up to 59 dB)
- ✓ For glazed system at same Rw, consider MG500
- ✓ All ratings to ISO 140-3 / ISO 717-1

Key Specification Considerations

- ✓ Pocket wall construction and structural depth must be confirmed early
- ✓ Ceiling track recess coordination with contractor at design stage
- ✓ Panel finish and veneer grain matching requirements
- ✓ Recessed vs surface-mounted track preference
- ✓ Glazing requirements — solid or mixed panels
- ✓ Usage frequency and finish durability
- ✓ Engage at RIBA Stage 2 or 3 for pocket 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 MG400 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 MG400 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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