



GLAZED FROG AUSTRALIA PTY. LTD.

KLIK WALL SYSTEM TECHNICAL DATA SHEET



Patent Pending

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Section 1: Product Overview

1.1 About Klik Wall System

Klik Wall is a prefabricated, internal, non-load-bearing modular partition system comprising solid panels, glazed panels, doors and operable windows. It is designed for rapid installation, clean architectural finishes and flexible space planning. The system combines proprietary aluminium framing with fibre cement substrates and interchangeable decorative, acoustic, functional or glazed finishes.

The integrated hollow wall cavity enables electrical wiring, data cabling and other building services to be installed, upgraded or reconfigured during initial installation or throughout the life of the space.

Coordinated solid, glazed, door and operable-window modules provide clean internal separation while allowing finishes and services to be adapted as project requirements evolve.

1.2 Intended Applications

- Offices and meeting rooms
- Training and consulting rooms
- Educational facilities
- Breakout and collaborative spaces
- Commercial and institutional interiors
- Golf simulator rooms and specialised internal environments

Final system configurations shall be selected to suit the project layout and performance requirements.

1.3 System Composition

- Proprietary aluminium modular framing
- Nominal 100 mm wall thickness
- Interchangeable outer finishes
- Standard solid modules and glazed modules
- Hinged doors, sliding doors and operable sliding windows
- Accessible cavity for power, data and services
- Suitable for future modification and reconfiguration

1.4 Standard Dimensions and General Information

ITEM	TECHNICAL INFORMATION
Nominal wall thickness	100 mm
Standard module size	1100 mm W x 2800 mm H
Maximum module size	1300 mm W x 3000 mm H
Maximum hinged door leaf	1100 mm W x 3000 mm H
Fibre cement substrate	9 mm fibre cement board to each side
Optional cavity insulation	63 mm batt and/or 6 kg/m ² Wavebar acoustic barrier insert
Panel weight	Approximately 31.04 kg/m ² equivalent to approximately 95.6 kg for a standard 1100 mm W x 2800 mm H panel, excluding outer finish layers.
Core-system warranty	10 years, subject to issued warranty terms and correct installation
Indicative design life	50 years, subject to environment, use and maintenance

Section 2 Standard Wall Panel

2.1 Standard Wall Build-Up

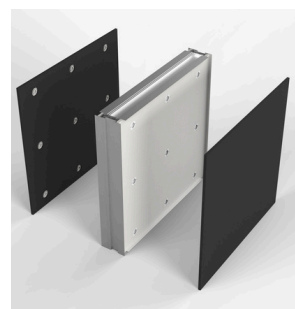
The standard Klik Wall module comprises a proprietary aluminium frame with 9 mm fibre cement board fixed to each side. Replaceable decorative, acoustic or functional finishes may be applied over the fibre cement substrate. Optional acoustic batt insulation may be installed within the nominal 63 mm internal cavity.



Aluminium Frame



9 mm Fibre Cement Board



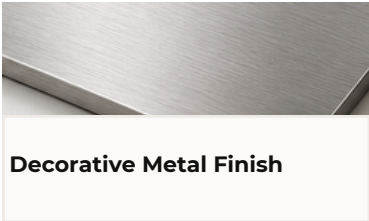
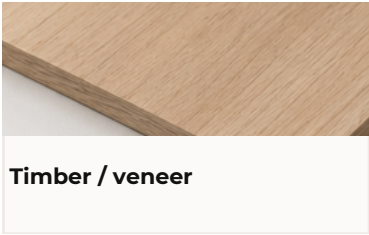
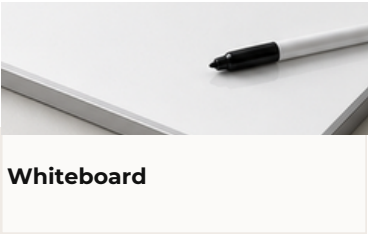
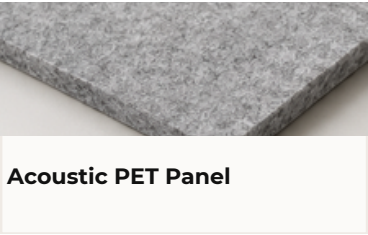
9-12 mm PET Acoustic Panel
(Optional Outer Finish)

2.2 Primary Components

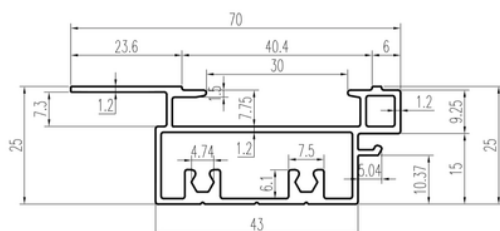
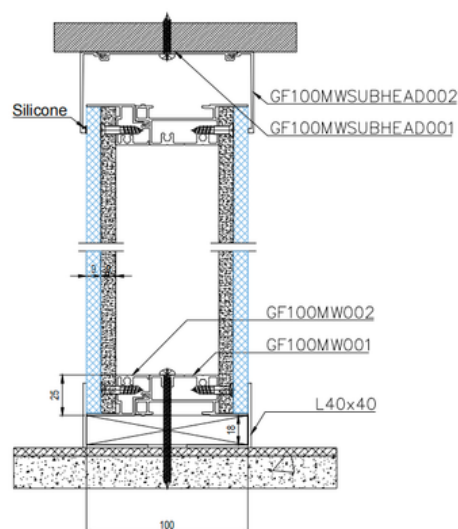
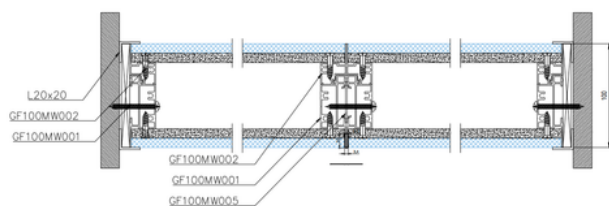
COMPONENT	DESCRIPTION
Aluminium frame and subhead	Extruded aluminium profiles, AA6063-T5
Fibre cement substrate	9 mm fibre cement board fixed to each side of the aluminium frame
Outer finish	Interchangeable decorative, acoustic or functional layer selected to suit the project.
Internal cavity	63 mm cavity size for optional acoustic insulation and coordinated building services.

2.3 Available Finishes and Colours

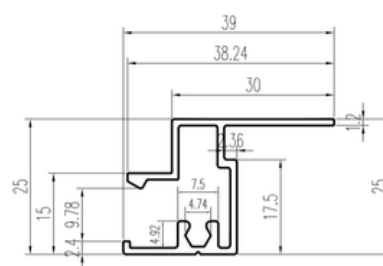
Available finishes may include acoustic PET, whiteboard, timber or veneer, decorative glass and metal finishes.



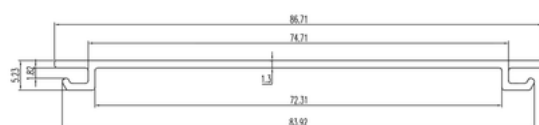
2.4 Aluminium Profile Information



GF100MW001



GF100MW002



GF100MWSUBHEAD001



GF100MWSUBHEAD002

Construction

- Aluminium panel-frame system: **100 mm**
- Main panel framing formed using **GF100MW001** and **GF100MW002**
- Two-part subhead assembly formed using **GF100MWSUBHEAD001** and **GF100MWSUBHEAD002**
- Profiles accommodate the fibre cement substrate, internal cavity and selected outer finish layers

2.5 Acoustic Performance

Acoustic performance depends on the complete wall build-up, including the selected outer finish, cavity arrangement, insulation, aluminium frame configuration, perimeter sealing, penetrations, junction details, and workmanship. The indicative modelled performance of the standard acoustic PET wall build-up without batt insulation is approximately Rw 38–40.

Indicative Acoustic Build-Up Table

Typical panel face build-up on each side	Standard panel	Standard panel with 6 kg/m ² Wavebar insert
9 mm fibre cement board + 9 mm acoustic PET finish	Rw 38–40	Rw 41–43
9 mm fibre cement board + 9 mm plasterboard finish	Rw 41–44	Rw 43–46
9 mm fibre cement board + 9 mm timber finish	Rw 40–43	Rw 42–45
9 mm fibre cement board + additional 9 mm fibre cement finish	Rw 43–46	Rw 45–48

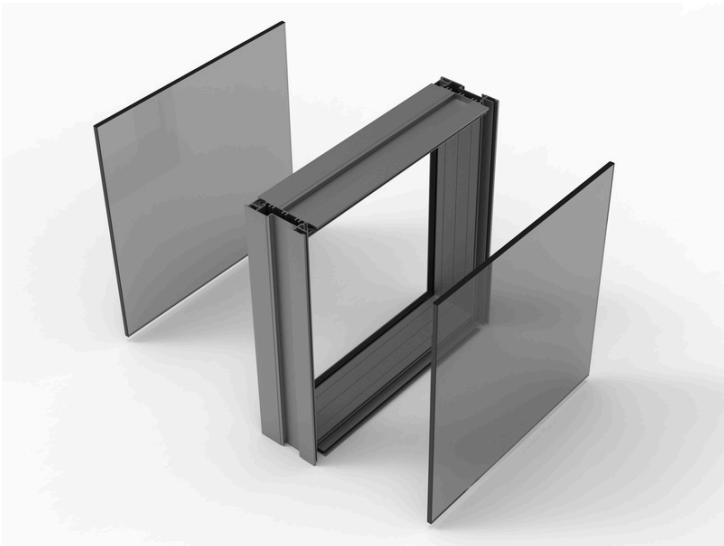
The stated performance is based on acoustic modelling using supplied component performance data.

Section 3 Glazed Panel

3.1 System Integration

Glazed panels are designed to integrate the frame into the glazing system, effectively forming a complete insulated glass unit (IGU). The air within the cavity is dry, and the unit is sealed to prevent moisture, dust, and other debris from entering.

The system can be configured with 90% glazing and 10% standard panels, 60% glazing and 40% standard panels, or 30% glazing and 70% standard panels.



Integrated Glazed Panel Assembly



90% glazing and 10% standard panels



60% glazing and 40% standard panels



30% glazing and 70% standard panels

3.2 Indicative Glazing Acoustic Configurations

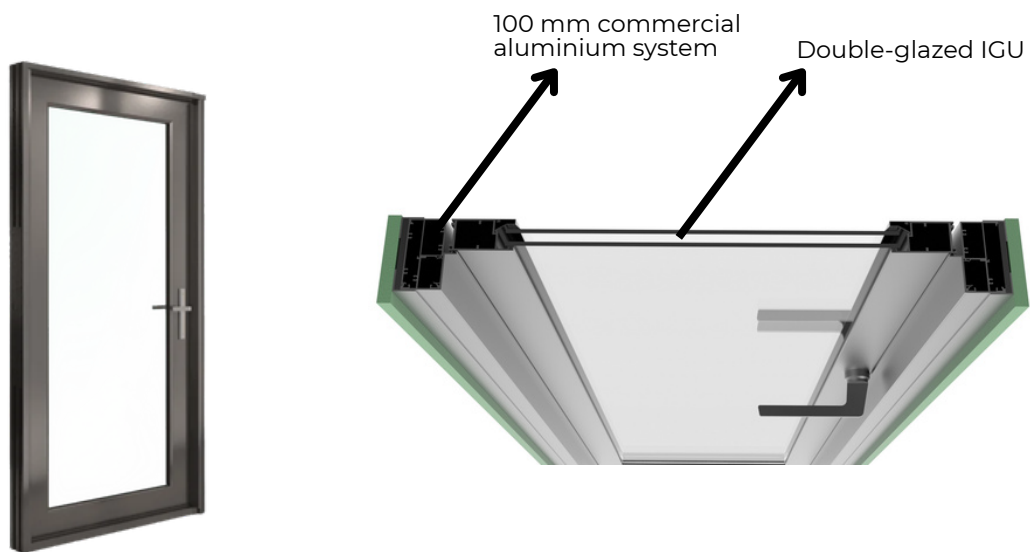
Glass configuration	Rating type	Estimated performance
6 mm / 70 mm / 6 mm	Rw + Ctr	33-35 dB
8 mm / 70 mm / 8 mm	Rw + Ctr	36-38 dB
10 mm / 70 mm / 10 mm	Rw + Ctr	39-40 dB
9.76 mm / 70 mm / 8.76 mm	Rw	46-48 dB
10.76 mm / 70 mm / 8.76 mm	Rw	48-50 dB

Section 4 Integrated Doors and Operable Windows

4.1 Hinged Door

Klik Wall may incorporate internal single- or double-leaf hinged doors coordinated with adjacent standard modules and glazed modules.

- Frame system: 100 mm commercial aluminium system
- Available configurations: Single-leaf or double-leaf
- Door panel: Glazed, solid or project-specific combination
- Glazing: Double-glazed IGU with toughened glass panes
- Maximum indicative leaf size: 1100 mm W × 3000 mm H



4.2 Operable Sliding Window

An operable sliding window may be integrated with adjacent standard modules and fixed glazing.

- Frame system: 100 mm commercial aluminium system
- Configuration: Two-panel or project-specific sliding arrangement
- Glazing: Double-glazed IGU with toughened glass panes



4.3 Operable Sliding Door

An operable sliding door may be incorporated within the Klik Wall System to provide access while maintaining a coordinated connection with adjacent wall and glazing modules. Final panel type, track system, hardware, locking, seals, finish and opening configuration must be approved before manufacture.

- Frame system: 100 mm commercial aluminium system
- Glazing: Double-glazed IGU with toughened glass panes

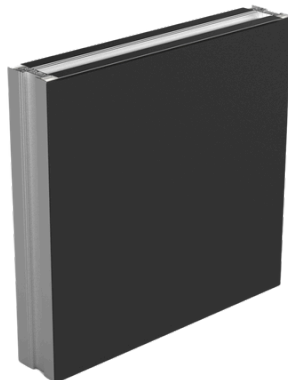


Section 5 System Configuration Summary

Klik Wall may be configured as solid, part-glazed, mostly glazed and door modules, together with separate full-height internal glazing where required. Final connections and profile selections must follow approved shop drawings.

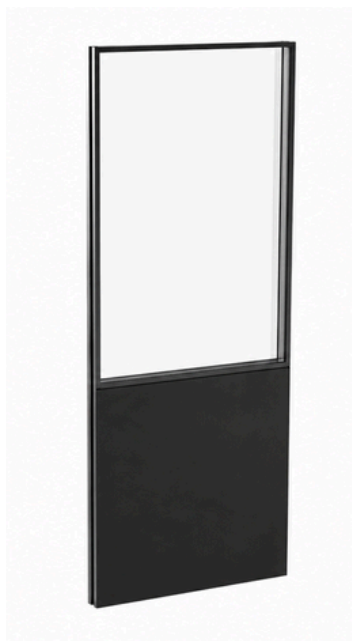
5.1 Standard Wall Panel

Standard modular wall with fibre cement board and the selected outer finish.



5.2 Combined Glazed and Solid Wall System

Glazing coordinated above or beside a standard wall section to balance privacy, light and acoustic treatment.



5.3 Hinged Door

Single- or double-leaf door modules may be coordinated with adjacent standard and glazed modules. Maximum standard leaf: 1100 mm wide x 3000 mm high.



Section 6 Component Standards and Supporting Documentation

6.1 Reference Standards and Documentation

The following component standards and supporting documentation apply to the Klik Wall system:

- NCC 2022 Volume One, Clause C2D10(5) and ASTM B221M-13 – Aluminium: AA6063-T5 aluminium extrusions, with supporting certification to TCVN 12513-1, 2, 4 and 7:2018. Aluminium, including aluminium alloy, is recognised as non-combustible under the stated NCC clause.
- AS/NZS 2908.2, ASTM C1288 and ASTM C1186 – Fibre-cement board: Relevant reference standards for fibre-cement sheets. Selected 9 mm sheets are certified to TCVN 8258:2009. The tested sample returned no detectable asbestos.
- AAMA 2603 and AAMA 2604 – Powder coating: Reference standards for nominated powder-coated aluminium finishes.
- AS 5637.1 and AS ISO 9705 – Fire performance: The nominated 9 mm, 1.5 kg/m² polyester acoustic panel is classified as Group 1 under AS 5637.1 using the AS ISO 9705 full-scale room test methodology.
- AS 1288 and AS 2047 – Glass and glazing: Glazed panels, windows and doors are designed and manufactured in accordance with AS 1288 and AS 2047.

All compliance claims shall be verified against the final nominated products, wall build-up, finishers, and project specification before approval for use.

6.2 Sustainability by Design

Sustainability is a core consideration in the development of the Klik Wall system. We value environmentally responsible design and are committed to improving material efficiency, reducing construction waste and supporting longer product life cycles.

The Klik Wall system is designed to be reconfigured and reused when layout requirements change. The aluminium frame can remain in service while outer finish layers are replaced or updated, helping reduce unnecessary demolition, material replacement and disruption compared with conventional fixed wall systems.

The aluminium framing is recyclable through established metal recycling streams. We are also working with suppliers to increase the use of verified recycled materials, responsible manufacturing processes and recognised environmental product documentation.

Glazed Frog is committed to pursuing relevant environmental certifications and green-building requirements as the Klik Wall system continues to develop. Environmental attributes and certification status will depend on the selected project materials and supporting supplier documentation.