



Unilock-Signature

Demountable Partition System

UNILOCK

The Signature system has an enviable track record spanning a decade and has been specified by leading international architects. Clients on the previous years include the various departments of the Hong Kong SAR, local applications by renowned developers and institutes, as well as overseas applications for use in Eurotunnel, Palais de Justice - Montpellier, Credit Suisse 1st Boston, Saga Group, Le Louvre - Paris, Freemans and Burness Solicitors.



Unilock-Signature Demountable Partition System

Unilock-Signature demountable partition system is a pre-engineered wall structure, with integral glazed, solid, tiled and doorframe modules, enabling cellular spaces to be constructed without involving wet trade.

The bi-block system is characterised by flexibility and speedy installation which the system is fully demountable; and all modules are interchangeable with glass and solid panel without affecting the adjacent unit.

The two independently self-supported panels are interlocked by the patented “J-key” connector. This unique design helps simplify the assembling process. Coupled with the fact that there is no wet trade required for installation, the building time for the demountable system is considerably faster even when compared to traditional drywall partition.

Flexible Design

Allowing total flexibility in design, Unilock-Signature provides architects and designers with an extensive range of interchangeable panel types and finishes. Another key to its flexible design is the system can be reconfigured to accommodate changes. The fully relocatable system enables cost-effective reconfiguration or full relocation in futures as required.

Speed Installation

All Unilock-Signature panels are pre-assembled at the factory and arrive on site as bi-block panels. The bi-block system accelerates construction time and most importantly ensures tight deadlines are met. The simplified assembling process not only save time, but also reduce overall production costs.

Green Consideration

Since nearly 100% of the material used is reusable and relocatable, minimum construction waste is ensured in the installation and future rearrangement. The system also allows changes and alterations to take place with minimal dust and debris to the workplace ensuring low impact on indoor air quality.

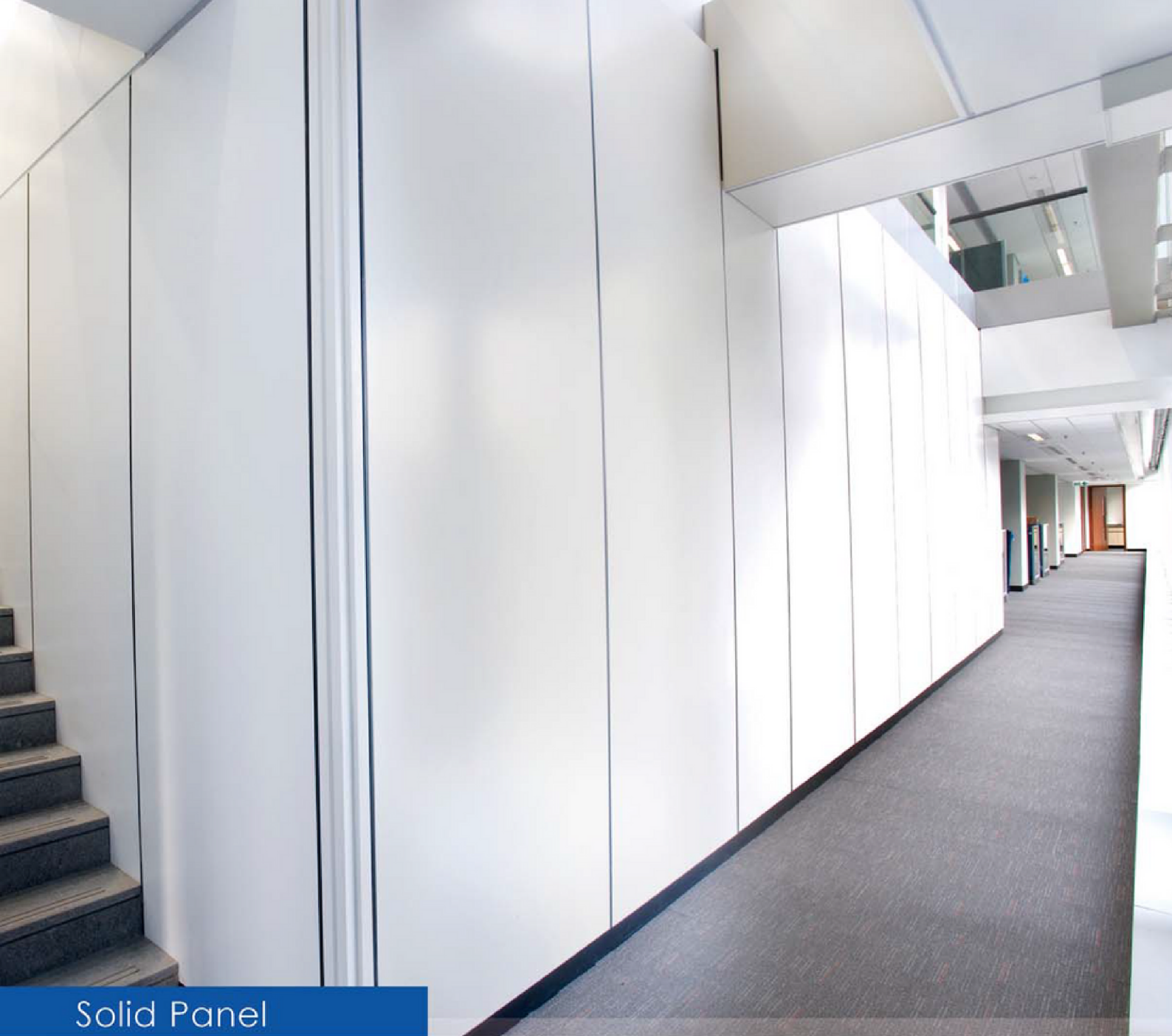


FLUSH Series

The essence of Unilock-Signature is the flush glazing. The line of glass sits flush to reduce the vertical mullion structure appearance to a minimum, giving an improved functionality and aesthetic appearance.

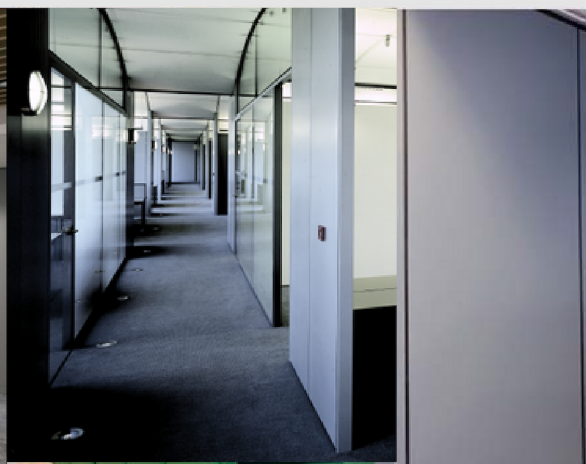
Glass is engineered with beveled edges and bonded to the assembled aluminium frame by high strength adhesives. All edges of glass are masked by an applied band of paint, bonded to the reverse face of the glass.





Solid Panel

Solid steel panel is supplied as standard. The panel can be used as wall cladding and space divider, or utilised as an active working wall accommodating storage accessories, integrating dry wipe boards and many more options.





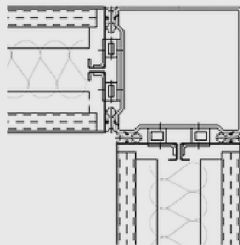
Doorsets

The system affords selection of doors to meet different requirements. Most doors are available in full heights, in different styles, finishes, handle and lock options to offer a range of aesthetic choice.

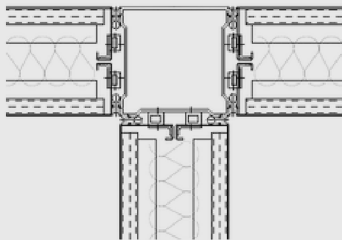


Joints

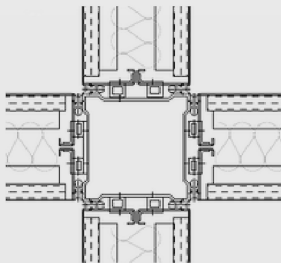
Joints are formed by steel-made profiles matching the panel height.



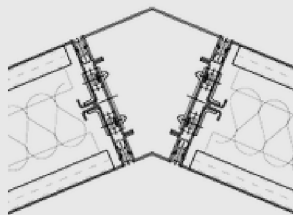
2 WAY JOINT (SOLID PARTITION)



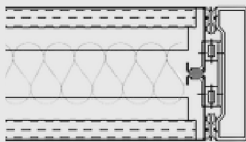
3 WAY JOINT (SOLID PARTITION)



4 WAY JOINT (SOLID PARTITION)



ANGLE-JOINT (SOLID PARTITION)
VARIES (136°-177°) (DEPANDS ON THE ANGLE)



END PROFILE (SOLID PARTITION)



Optional Features

For variation in privacy and light transmission, Venetian blinds can be installed within the double-glazing panels. The blind is adjustable through the control knob mounted on either side of the vertical frame and all cords for operation are hidden within the panel joints.

Additional feature of power column is available. There are also options for different racking that personalise the area while adding functionality and efficiency to the working space.



General Specifications

Basic Structure	A pre-engineered bi-block partition system with interchangeable glazed, solid, tiled and doorset components. The bi-block construction offers individual removal of and replacement of panels from either side of the wall without removal or disturbance of adjacent modules, all panels are locked together by the connector.								
System Dimension	Thickness Nominal thickness 86mm	Height Up to 3000mm	Width Glazed 300-1200mm Solid/ Tiled 300-1200mm Door Frame ±1000mm (single door leave) ±1500-1800mm (double door leaves)						
Glazed Panel	FLUSH Glazing Option Full Height Range FLUSH Double Glazing (6+6mm)/ (6+8mm)		Framed Glazing Option Full Height or Half Height Double Glazing (6+6mm)/ (6+8mm) Single Front Glazing (6/ 8mm) Single Central Glazing (6/ 8mm)						
Solid / Tiled Panel	Standard Finish Steel Powder coated or anodised in White, Grey, Silver (RAL standard range) Other RAL or BS finishes are available on request Other Surface Finishes Veneer/ Laminated/ Fabric								
Doorset	Range 45mm/ 55mm solid timber or metal 55mm double glazed door comprising of two sheets of toughened 6mm glass bonded each side onto a PPC coated aluminium frame Full range of hardware is available for selection Door Finishes Timber/ Metal/ Glass/ Veneer/ Laminated								
Performance	Sound Resistance¹ The partition system has been tested in accordance with BS EN ISO140 and BS EN ISO717 <table><tr><td>Glazed Panel</td><td>39dB (Rw) (6+6mm) 44dB (Rw) (6+8mm)</td></tr><tr><td>Solid Panel</td><td>49dB (Rw)</td></tr><tr><td>Doorset</td><td>≥38dB (Rw)</td></tr></table> Sound baffles are provided to meet different sound resistance needs			Glazed Panel	39dB (Rw) (6+6mm) 44dB (Rw) (6+8mm)	Solid Panel	49dB (Rw)	Doorset	≥38dB (Rw)
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Solid Panel	49dB (Rw)								
Doorset	≥38dB (Rw)								
Optional Features	Venetian Blinds Power Column Whiteboard, bookshelf, storage units, and many more								

Various designs, dimensions and optional features are available to meet divergent construction and performance requirements, please contact our team for further details.

¹ Test report available upon request



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