

MP2 DOUBLE GLAZED FRAMELESS
MP2 DOUBLE GLAZED FRAMED
MP2 SINGLE GLAZED FRAMELESS





CUSTOM MADE TO
SUIT YOUR PROJECT

Aesthetics

Natural light, fresh air and a sense of space are key attributes of modern building architecture. The *mp2* louvre window range, including double and single glazed frameless options and a double glazed framed option have been elegantly created to integrate with sophisticated building architecture & design.

Uncompromising quality

mp2 louvre windows are manufactured by our German partners, Schneider + Nölke who boast over 25 years' experience at the forefront of this industry. Cutting edge production technology, quality materials & strict quality standards ensure the *mp2* leads the way in louvre window design. The *mp2* louvre windows have been tested to AS2047, setting the benchmark for louvre performance & establishing themselves uniquely qualified for use in high rise applications where water penetration & air leakage are critical.



Revolutionary technology

mp2 louvres have been designed with a unique hinging mechanism which provides one of the tightest seals of any window.

The fittings provide a secure mechanical interlock of the window in the closed position and can withstand extreme wind and weather conditions. Testing has shown that the *mp2* louvre windows rival conventional window and curtain wall systems in terms of water tightness, air tightness, wind load and soundproofing.

- Aerodynamic cross-section
- Air tightness
- Security (via integrated locking mechanism)
- Integrates with BMS systems for automated control
- Safety locking of each blade
- Cleaning of blades from inside
- Integrated 24VDC drives
- Anti pinch safety function
- Single, double or triple glazed options
- Suitable for overhead glazing options
- Integrate with FIP for smoke exhaust/relief air



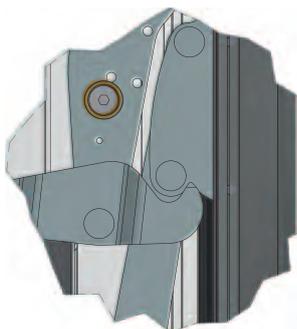
Fully integrated electric drive 24V (shown with cover cut away)

The uncompromising approach to product design means the drive and electronics are concealed within the *mp2* louvre frame.



Frame seal with moulded corners (shown without louvre blade)

The seals on the *mp2* louvre feature moulded corners to ensure the highest possible resistance to water penetration, air infiltration and sound transfer.



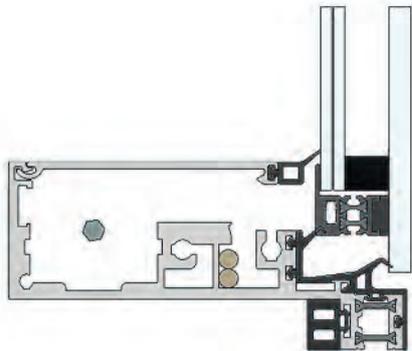
Locking Mechanism

The *mp2* operating mechanism incorporates a unique mechanical lock, securing the louvre blades against the high wind forces experienced on high rise and other applications.



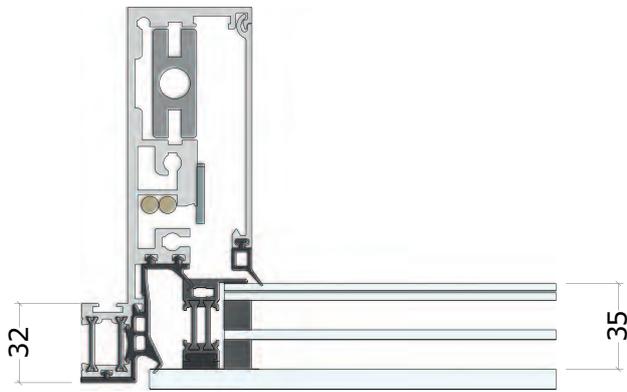
Removable Inspection Cover

The *mp2* louvre has been designed with a removable inner cover to provide access for ease of maintenance and installation.



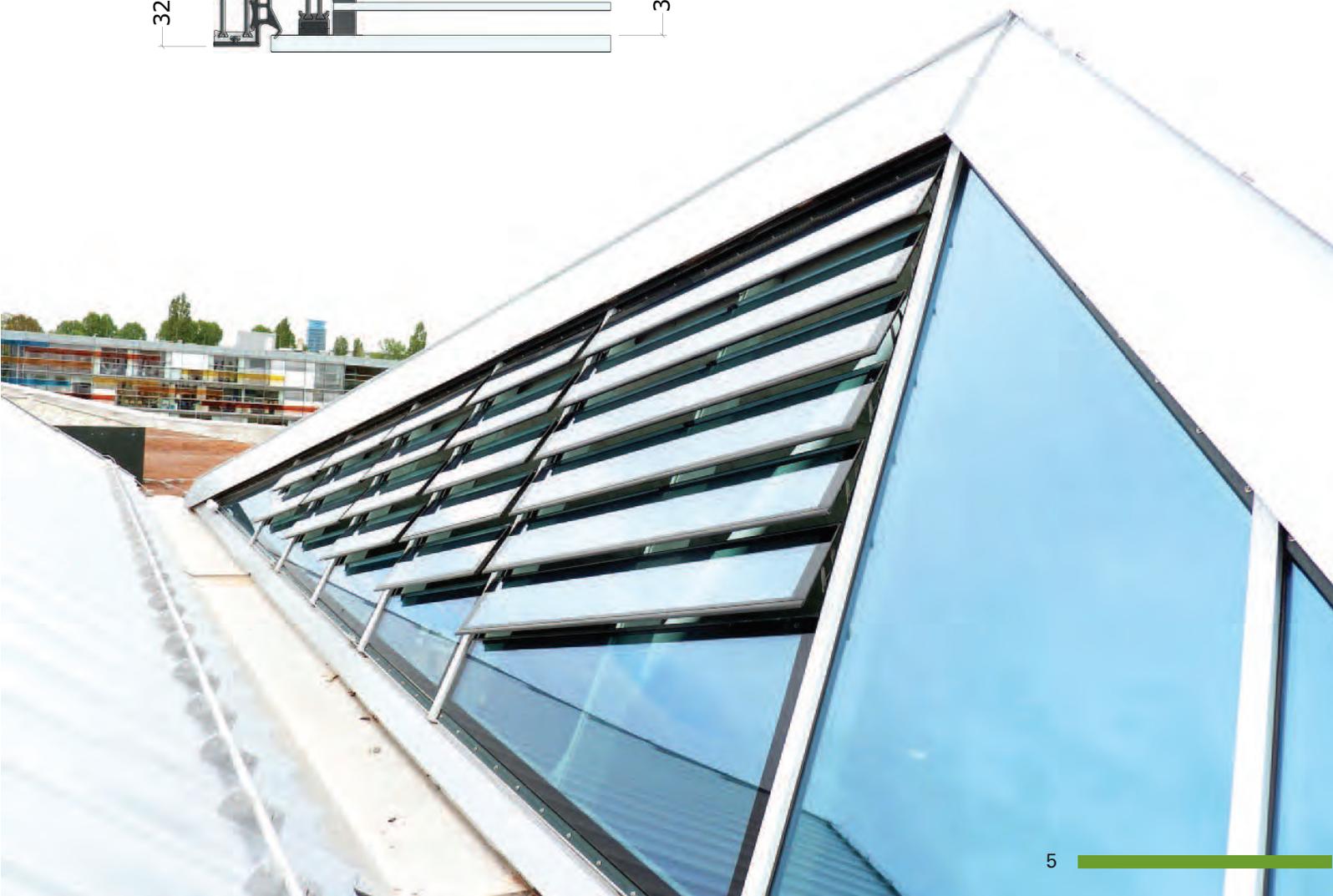
Two levels of sealing via silicone seal profile (e-motion [v50] sgi shown)

To achieve such high performance values, manufacturing tolerances in the louvre and glass production are critical (0.5mm tolerance).



mp2 Frameless Triple Glazed

There is an *mp2* product for all applications, from frameless single glazed to frameless double and triple glazed solutions.

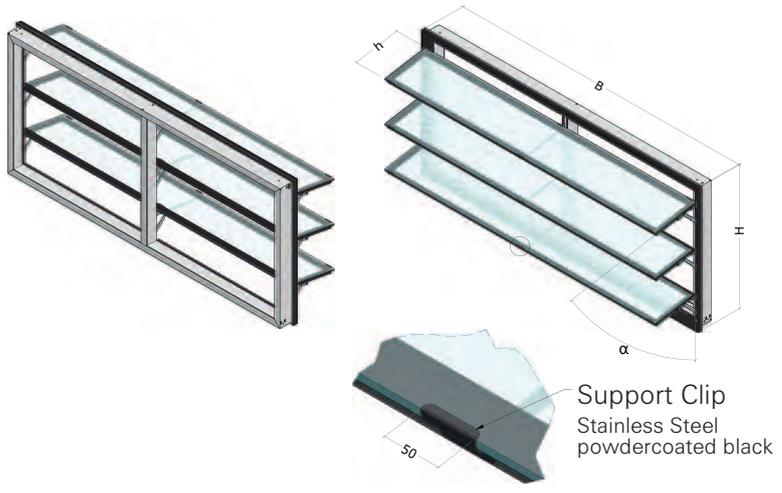


FRAMELESS DOUBLE GLAZED LOUVRES

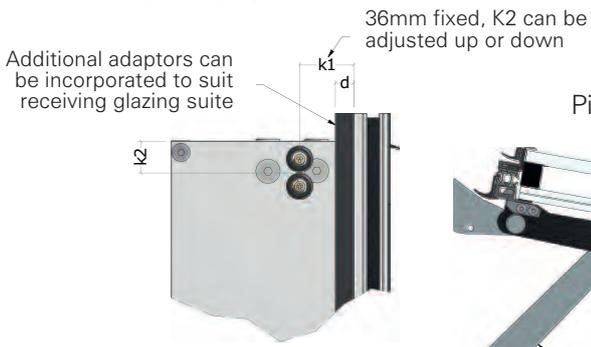


Internal View

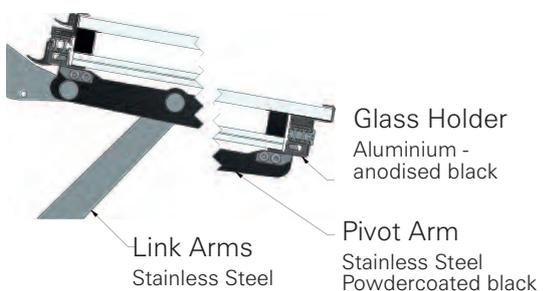
External View



Cable Exit

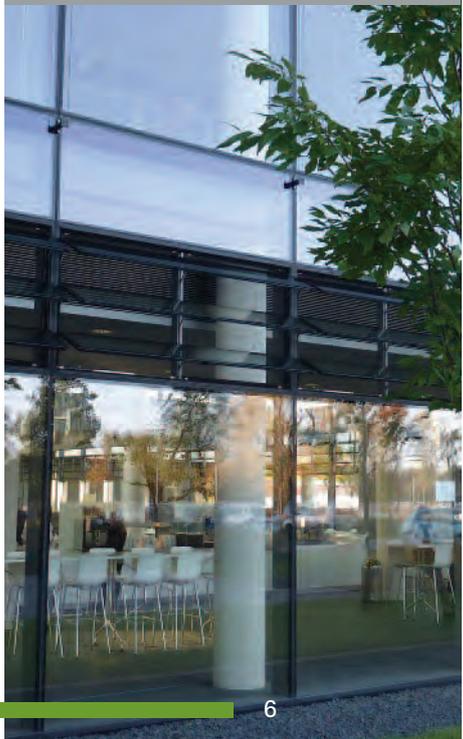


Pivoting Mechanisms

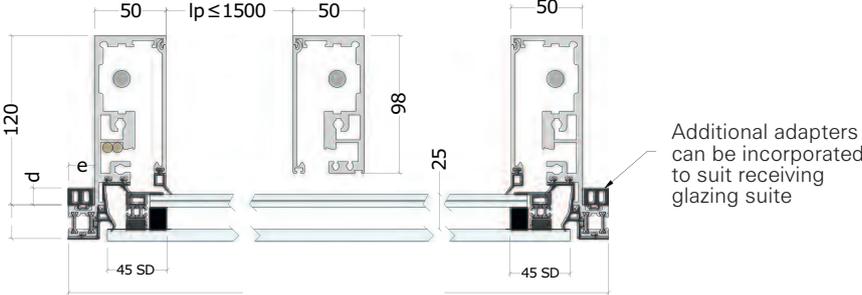
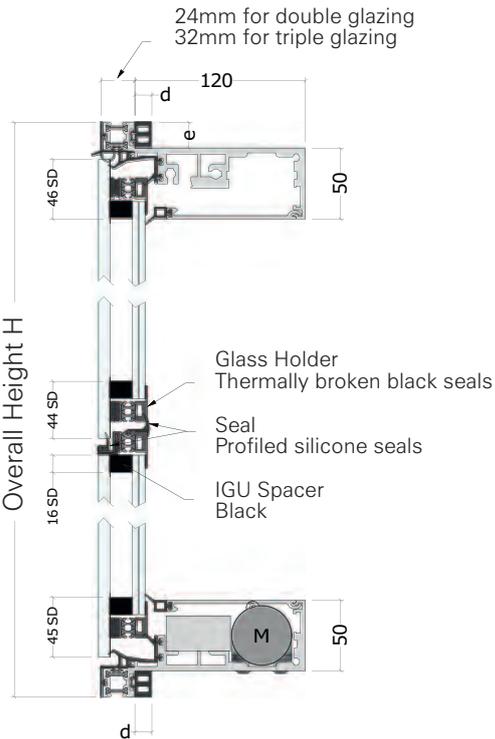
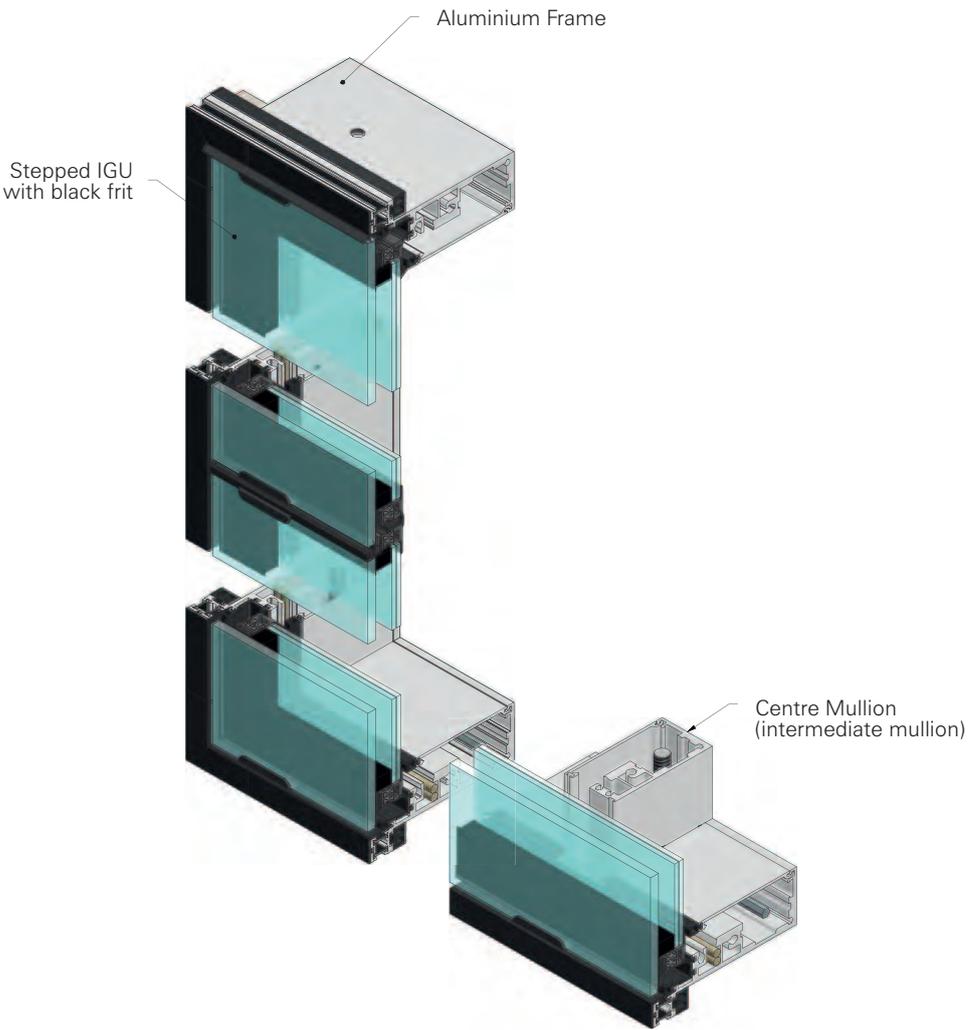


Each *mp2* is tailored to your project with blade sizes and opening angles determined by the project specifics.

See page 11 for Product Specifications



**mp2 Emotion Frameless
(shown double glazed)**



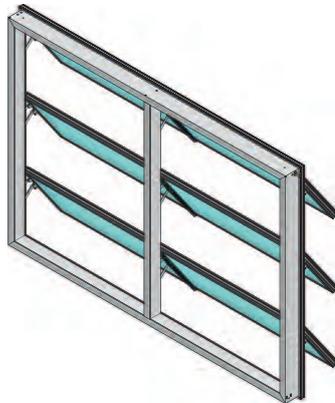
FRAMED DOUBLE GLAZED LOUVRES



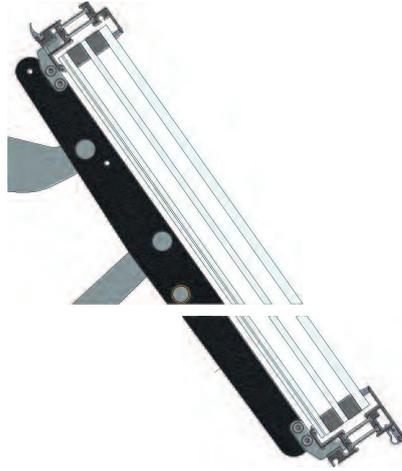
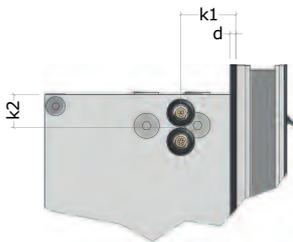
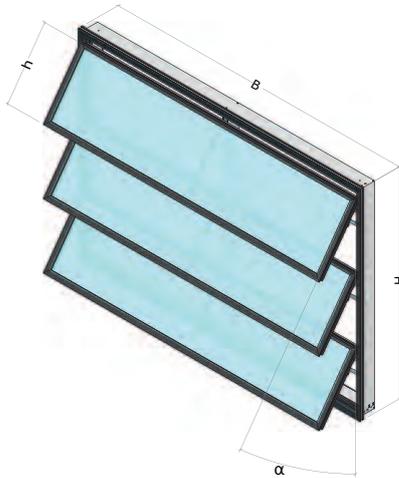
The framed version of the *mp2* has been designed to simplify the glass procurement allowing any 32mm IGU to be installed into a prefabricated surround frame (glass holder). This system has been NATA certified (AS2047) to 1000Pa Water Penetration.

See page 11 for
Product Specifications

Internal View



External View



FRAMELESS SINGLE GLAZED LOUVRES

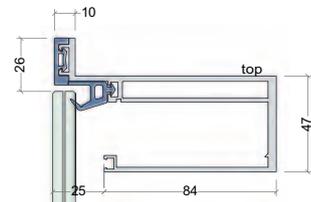
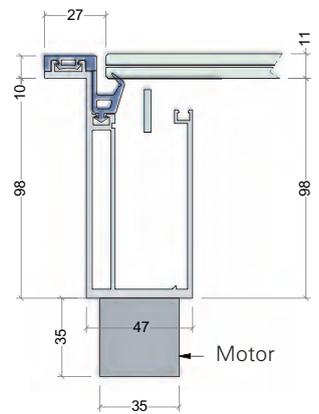


Flush single glazed louvres
Horizontal frameless blades with silicon seal.

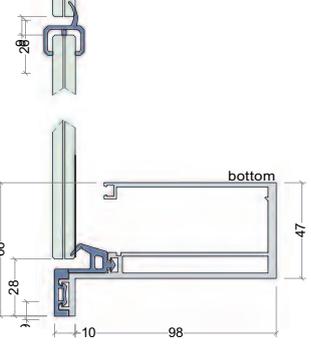
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Detail horizontal section - side mullion



glass joint



Top Detail
Joint Detail
Bottom Detail

SPECIFICATIONS

Frameless Double Glaze		
Construction	Aluminium	
Glass Holder	Thermally broken black anodised	
Sealing	2 levels of silicone seals with moulded corners	
Glazing	4 sided stepped IGU with black frit	
Width	Up to 3600 mm with intermediate mullions	
Blade Height	Up to 600 mm	
Opening Angle	Project dependent, up to 80°	
Drives	Fully integrated electric drive 24VDC	
Water Penetration (AS2047)	700 Pa	
Air Infiltration (AS2047)	0.11 L/s m ² @ 150 Pa	
Ultimate (AS2047)	+ 8,200 Pa - 6,000 Pa	

Frameless Single Glaze		
Construction	Aluminium	
Sealing	2 levels of silicone seals with moulded corners	
Glazing	12 mm – 13.52 mm single glazed point fix	
Width	Up to 1600 mm	
Blade Height	Up to 600 mm	
Opening Angle	Project dependent, up to 80°	
Drives	Fully integrated electric drive 24VDC	

Framed Double Glaze		
Construction	Aluminium	
Glass Holder	Fully framed aluminium glass holder	
Sealing	2 levels of silicone seals with moulded corners	
Glazing	32 mm for double glazing	
Width	Up to 1600 mm	
Blade Height	Up to 600 mm	
Opening Angle	Project dependent, up to 80°	
Drives	Fully integrated electric drive 24VDC	
Water Penetration (AS2047)	1000 Pa	
Air Infiltration (AS2047)	0.70 L/s m ² @ 600 Pa	
Ultimate (AS2047)	+ 11,100 Pa - 10,300 Pa	



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