

ALTAIR® LOUVRE WINDOWS

for Commercial Buildings

breezway[®]
A JELD-WEN Company



Sunsuria, Selangor, Malaysia

Altair Louvres can maximise natural light and ventilation in office buildings.



Little Gems, Selangor, Malaysia

Multiple bays of Altair Louvres allow fresh air to stimulate minds in this international school.



Citrine Hub, Designer Office Suites, Johor Bahru, Malaysia

Altair Louvres allow employees to connect with nature in an office environment.

Altair® Louvres

Energy Efficient Window Solution

Altair Louvre Windows are an environmentally sustainable alternative to fixed lite panels for maximising the flow of natural light and fresh breezes into a building. Energy rated, Altair Louvres can improve indoor airflow and significantly reduce the need for artificial cooling and lighting systems. By placing Altair Louvres on internal walls, fresh air can further ventilate throughout the interior of the building, whilst providing a connection to the outside environment to enhance the occupant's daily experience with the space.



PERFORMANCE

Available with 152mm and 102mm blades in glass and aluminium. Tight sealing provides low air infiltration and ensures superior wind and water performance.



DURABILITY

Made entirely from corrosion resistant aluminium, stainless steel and UV-stabilised industrial strength plastics to ensure long life durability.



SECURITY

For high risk areas, security bars are available. Fully tested to comply with International Standards.



CUSTOMISE

Wide choice of customising options to provide greater design flexibility. Insect or security screens can be easily fitted when the Breezway Easyscreen™ Window System is used. The optional Stronghold™ System can provide extra strength or safety if required.

“Ventilation is an important element for all building designs”





PAM Centre, Kuala Lumpur

Outdoor views are maximised with Altair Louvre Windows.



Nova Pantai, Kuala Lumpur

Add a splash of colour to external facades with Altair Louvre Windows.



Corporate office, Philippines

Keep office areas bright and airy with Altair Louvres.

Altair® Louvre Product Range

Featured Products



Slimline™ System

STRONG & DURABLE
Suitable for narrow frame applications.



Easyscreen™ System

SECURITY & SCREENING
Suitable for all building types. Supplied fully assembled.



Powerlouvre™ Window System in Easyscreen Frame

INTERGRATED with NO HANDLES
Automated control for integration into Building Management Systems.



Stronghold™ Window System in Easyscreen & Slimline Frame

STRONG and SAFE
Maximise ventilation in multi-level residential or commercial buildings.

	Slimline™ System	Easyscreen™ System	Powerlouvre™ Window System in Easyscreen Frame	Stronghold™ Window System in Easyscreen & Slimline Frame
Application	STRONG & DURABLE Suitable for narrow frame applications.	SECURITY & SCREENING Suitable for all building types. Supplied fully assembled.	INTERGRATED with NO HANDLES Automated control for integration into Building Management Systems.	STRONG and SAFE Maximise ventilation in multi-level residential or commercial buildings.
Frame Depth	52mm	131mm	131mm	131mm and 52mm
Frame Height	Up to 3035mm	Up to 3061mm	Up to 2611mm	Up to 3061mm
Frame Construction	Aluminium	Aluminium	Aluminium	Aluminium
Visible Fixings	None	None	None	None
Altair Louvre Bays	Yes	Yes	Yes	Yes
Screening	No Screen	Outside	Outside	n/a
Control Options	<ul style="list-style-type: none"> Standard Low Profile Ring 	<ul style="list-style-type: none"> Standard Low Profile Ring 	Bluetooth® enabled Apptivate® Control Unit	<ul style="list-style-type: none"> Standard Low Profile & Ring Powerlouvre
Security	None	<ul style="list-style-type: none"> Integrated solid bars Screens 	<ul style="list-style-type: none"> Integrated solid bars Screens 	<ul style="list-style-type: none"> Integrated solid bars Screens
Reveals & Flashing	Available	Available	Available	n/a
Testing	<ul style="list-style-type: none"> DEFLECTION WATER PASS ULTIMATE STRENGTH AIR INFILTRATION 	<ul style="list-style-type: none"> DEFLECTION WATER PASS ULTIMATE STRENGTH AIR INFILTRATION 	<ul style="list-style-type: none"> CYCLIC SALT SPRAY EXTREME HUMIDITY EXTREME COLD & HEAT ELECTROMAGNETIC COMPATIBILITY 	<ul style="list-style-type: none"> STATIC LOAD SWING BAG AND SPHERE TEST



Yishun Hospital, Singapore
Altair Louvres open to provide ventilation to patients in hospital beds.

Altair® Louvre

Technical Data

High Durability Finishes

The aluminium components of Altair Louvre windows are available in two different surface finishes: anodised or standard powder coating.

Powder coatings are polyester coatings from leading powder suppliers applied to a thickness of 50-80 µm and anodised finishes are to a thickness of 25 µm. Over time, weathering of powder coated surfaces should be expected. Selecting the right powder for the atmospheric conditions of the site and correct maintenance will be critical to the ongoing appearance of the finish.

Fully Energy Rated

A variety of energy efficient glazing options is available to meet local requirements. For example, in Southeast Asia's warm, tropical climate the shading offered by tinted glass or aluminium blades will reduce the solar heat gain through those windows thereby reducing the temperatures within a building.

Acoustic Insulation Ratings

Testing shows that Altair Louvre Windows achieve Rw ratings of 27-28 when toughened glass blades are installed. This is comparable to the acoustic properties of some double glazed windows.



Slimline™ Window System heights	Easyscreen™ Window System heights (Screens fitted to outside of frame)	Galleries/Strip Hardware only including Weatherstrip*
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All dimensions are in millimeters (mm)

No. of Blades	Height 152mm	Height 102mm	Height 152mm	Height 102mm	Height 152mm	Height 102mm
2	345	-	371	-	330	-
3	485	335	511	361	470	320
4	625	425	651	451	610	410
5	765	515	791	541	750	500
6	905	605	931	631	890	590
7	1045	695	1071	721	1030	680
8	1185	785	1211	811	1170	770
9	1325	875	1351	901	1310	860
10	1465	965	1491	991	1450	950
11	1605	1055	1631	1081	1590	1040
12	1745	1145	1771	1171	1730	1130
13	1885	1235	1911	1261	1870	1220
14	2025	1325	2051	1351	2010	1310
15	2165	1415	2191	1441	2150	1400
16	2305	1505	2331	1531	2290	1490
17	2445	1595	2471	1621	2430	1580
18	2585	1685	2611	1711	2570	1670
19	2725	1775	2751	1801	2710	1760
20	2865	1865	2891	1891	2850	1850
21	3005	1955	3031	1981	2990	1940
22	-	2045	-	2071	-	2030
23	-	2135	-	2161	-	2120
24	-	2225	-	2251	-	2210
25	-	2315	-	2341	-	2300
26	-	2405	-	2431	-	2390
27	-	2495	-	2521	-	2480
28	-	2585	-	2611	-	2570
29	-	2675	-	2701	-	2660
30	-	2765	-	2791	-	2750
31	-	2855	-	2881	-	2840
32	-	2945	-	2971	-	2930
33	-	3035	-	3061	-	3020

* For gallery height only, subtract 10mm from these standard heights.

For Powerlouvre™ Standard heights.



Your Breezway Louvre Preferred Dealer.

Malaysia

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