

# ALTAIR® LOUVRE WINDOWS

for Commercial Buildings

*breezway*®



**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
<b>Application</b>	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.
<b>Frame Depth</b>	52mm	131mm	131mm	131mm and 52mm
<b>Frame Height</b>	Up to 3035mm	Up to 3061mm	Up to 2611mm	Up to 3061mm
<b>Frame Construction</b>	Aluminium	Aluminium	Aluminium	Aluminium
<b>Visible Fixings</b>	None	None	None	None
<b>Altair Louvre Bays</b>	Yes	Yes	Yes	Yes
<b>Screening</b>	No Screen	Outside	Outside	n/a
<b>Control Options</b>	<ul style="list-style-type: none"> <li>Standard</li> <li>Low Profile</li> <li>Ring</li> </ul>	<ul style="list-style-type: none"> <li>Standard</li> <li>Low Profile</li> <li>Ring</li> </ul>	Bluetooth® enabled Apptivate® Control Unit	<ul style="list-style-type: none"> <li>Standard</li> <li>Low Profile &amp; Ring</li> <li>Powerlouvre</li> </ul>
<b>Security</b>	None	<ul style="list-style-type: none"> <li>Integrated solid bars</li> <li>Screens</li> </ul>	<ul style="list-style-type: none"> <li>Integrated solid bars</li> <li>Screens</li> </ul>	<ul style="list-style-type: none"> <li>Integrated solid bars</li> <li>Screens</li> </ul>
<b>Reveals &amp; Flashing</b>	Available	Available	Available	n/a
<b>Testing</b>	<ul style="list-style-type: none"> <li>DEFLECTION</li> <li>WATER PASS</li> <li>ULTIMATE STRENGTH</li> <li>AIR INFILTRATION</li> </ul>	<ul style="list-style-type: none"> <li>DEFLECTION</li> <li>WATER PASS</li> <li>ULTIMATE STRENGTH</li> <li>AIR INFILTRATION</li> </ul>	<ul style="list-style-type: none"> <li>CYCLIC</li> <li>SALT SPRAY</li> <li>EXTREME HUMIDITY</li> <li>EXTREME COLD &amp; HEAT</li> <li>ELECTROMAGNETIC COMPATIBILITY</li> </ul>	<ul style="list-style-type: none"> <li>STATIC LOAD</li> <li>SWING BAG AND SPHERE TEST</li> </ul>



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

# Altair<sup>®</sup> 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

Breezway (Malaysia) Sdn Bhd  
No.39, Jalan Wawasan 3/KU 7  
Kawasan Perindustrian Sungai Kapar Indah  
42200 Klang, Selangor Darul Ehsan.  
Reg# 601783-T  
Telephone: +60 3 3291 4885  
Facsimile: +60 3 3291 9887  
Email: malaysiasales@breezway.com  
Website: www.breezway.com.my

### Breezway Experience Centre

B1-1-10, Perniagaan Temasya 8,  
No.13 Jalan Doktor U1/67, Glenmarie  
40150 Shah Alam, Malaysia  
Telephone: +60 3 5037 2116  
Email: malaysiasales@breezway.com

Our regional websites available at:  
[www.breezway.com.sg](http://www.breezway.com.sg)  
[www.breezway.com.ph](http://www.breezway.com.ph)  
[www.breezway.co.th](http://www.breezway.co.th)  
[www.breezway.co.id](http://www.breezway.co.id)  
[www.breezway.com.vn](http://www.breezway.com.vn)

### Australia

Breezway Head Office  
35 Cambridge Street  
Coorparoo QLD 4151  
ABN 24 081 897 823  
Telephone: +61 7 3847 0500  
1800 777 758 (from within Australia)  
Facsimile: +61 7 3397 8643  
Email: designassist@breezway.com.au

### Hawaii

99-1451 Koaha Place, Suite 1  
AIEA, Hawaii 96701  
Telephone: 808 484 5999  
Facsimile: 808 484 5959  
Email: hawaii-sales@breezway.com



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