

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 |
|-------------------------------|---|---|--|---|
| 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* |
|------------------------------------|--|--|
|------------------------------------|--|--|

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
www.breezway.com.ph
www.breezway.co.th
www.breezway.co.id
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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