



ALTAIR[®] LOUVRE WINDOWS

for Commercial Buildings



Mother Teresa College, Western Australia

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



Front Cover Australia Towers,
Sydney, New South Wales.

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.

Altair Louvres are fully WERS rated and can improve indoor airflow while significantly reducing 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, timber and aluminium. Tight sealing provides low air infiltration and ensures superior wind and water performance. Fully tested to comply with AS2047 "Windows in Buildings".



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, keylocks or screens can be easily fitted when the Breezway Easyscreen[™] or Innoscreen[®] Window System are used. Fully tested to comply with Australian Standards.



CUSTOMISE

Wide choice of customising options to provide greater design flexibility. Powerlouvre[™] Window is available for automated solutions. The optional Stronghold[®] System can provide extra strength or safety if required.

“Ventilation is an important element for all building designs”

breezway[®]



**Dalyellup College,
Western Australia**

Providing comfortable learning and teaching spaces for occupants.



**Mary Ellen Hotel,
New South Wales**

Aluminium blades provide shading and privacy while still maximising ventilation.



**Automated Application,
Australia**

Altair Powerlouvre Windows can be easily controlled by Bluetooth compatible smartphones.



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



Altair® Louvre Componentry for Commercial Frames.



Altair® Louvres in an SL2® Window System.



Altair® Louvres in an Innoscreen® Window System.

Component System

SL2® System

Innoscreen® System

Application	Galleries can be screwed or snapped into most aluminium, timber or uPVC windows frames.	Suitable for narrow frame applications when no screen is required.	Ideal framing option for buildings that require screening but desire that 'louvre look'.
Frame Depth	Varies	52mm	131mm
Frame Height	Up to 3020mm	Up to 3048mm	Up to 3070mm
Frame Construction	Aluminium, Timber, UPVC	Aluminium	Aluminium
Visible Fixings	Varies	None	None
Altair Louvre Bays	Yes	Yes	Yes
Fixed Lite Bays	Yes	Yes	Yes
Screening	Outside or No Screen	No Integrated Screening	Inside
Control Options	<ul style="list-style-type: none"> • Standard Handle • Low Profile Handle • Ring Handle • No Handles (Powerlouvre) 	<ul style="list-style-type: none"> • Standard Handle • Low Profile Handle • Ring Handle 	<ul style="list-style-type: none"> • Slide Handle • No Handles (Powerlouvre)
Security Options	<ul style="list-style-type: none"> • Keylocks • Integrated Solid Bars • Screens 	<ul style="list-style-type: none"> • Keylocks 	<ul style="list-style-type: none"> • Screens
Reveals & Flashing	Available	Available	Available
Compatible Sub Framing	Available	None	Available



Altair® Louvres in an Easyscreen™ Window System.



Altair® Dualair™ Secondary Glazed Louvre System.

Easyscreen™ System

Suitable for all building types with external screening available. Supplied fully assembled.

131mm	150mm
Up to 3061mm	Up to 2663mm
Aluminium	Aluminium**
None	None
Yes	Yes
Yes	Yes
Outside	No Integrated Screening
<ul style="list-style-type: none"> • Standard Handle • Low Profile Handle • Ring Handle • No Handles (Powerlouvre) 	<p>OUTSIDE</p> <ul style="list-style-type: none"> • Powerlouvre <p>INSIDE</p> <ul style="list-style-type: none"> • Powerlouvre • Manual Control* <p>* Standard/Low Profile or Ring Handles</p>
<ul style="list-style-type: none"> • Keylocks • Integrated Solid Bars • Screens 	<ul style="list-style-type: none"> • Keylocks
Available	Not Available (Installation by sub framing only)
Available	Available

Dualair™ System

High performance secondary glazed louvre system for commercial buildings.

** Alspec McArthur Evo 150mm Centre Pocket or Hunter Evo 150mm Acoustic.

Featured Products



Altair® Powerlouvre™ Window System.



Altair® Louvre Windows with the Stronghold® System.

Powerlouvre™ Window

Automated control for out of reach applications or integration into Building Management Systems.

131mm	131mm
Up to 2611mm	Up to 3070mm
n/a	n/a
None	None
Yes	Yes
n/a	n/a
n/a	n/a
<ul style="list-style-type: none"> • Bluetooth® Enabled Apptivate® Control Unit • Building Management Systems • Normally open, non-latching switches 	<ul style="list-style-type: none"> • Standard Handle • Low Profile Handle • Ring Handle
<ul style="list-style-type: none"> • Integrated Solid Bars • Screens 	<ul style="list-style-type: none"> • Integrated Solid Bars • Screens
n/a	n/a
n/a	n/a

Stronghold® System

Maximise ventilation in multi-level residential or commercial buildings.



Multi-Purpose Hall

Altair Louvre Windows are perfect for keeping multi-purpose halls freshly ventilated for players and spectators.



**Breezway Design Assist,
Australia**

Our Sales Consultants are available to assist with all your louvre window enquiries.

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 .

Breezway has an onsite powder-coating line that is certified by Dulux to apply Duralloy and Duratec powders and by Akzo Nobel to apply Interpon DI1000 and Interpon D2010 powders. Seven and ten year warranties are offered on these products.

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

Energy ratings for Breezway Window Systems with a wide variety of glazing options are publicly available from the WERS website (www.wers.net). Breezway Louvre Windows with glass blades can achieve U-values as low as 2.4 and SHGC from 0.10 up to 0.64.

A research report commissioned by Breezway shows that Easyscreen Louvre Windows with Western Red Cedar Blades have a U-value of 4.4 and a SHGC of 0.1. (While these results are suitable for comparison with ratings in the WERS database, they are not authorised WERS ratings).

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.

When using the Altair Dualair Secondary Glazed Louvre System, a Rw rating of 38 can be achieved with toughened glass blades.



breezway[®]

Altair® Louvre Window Standard Heights

This chart indicates standard window heights corresponding to the number of full blades used in standard Breezway Louvre Window frames. For window heights differing from our standard dimensions, a fixed blade can be added to accommodate the difference. However please note the Dualair System is available in standard heights only and some off-standard heights are unavailable with the Powerlouvre System.

Galleries/Strip Hardware can be fitted to a number of different window fabricator's frames, please contact your fabricator for their standard window heights.

Sub Framing is available for the Easyscreen, Innoscreen and Dualair Window Systems. For more information please contact Breezway.

Easyscreen™ System Standard heights (Screens fitted to outside of frame)		Innoscreen® System Standard heights (Screens fitted to inside of frame)		SL2® System Standard heights		Dualair™ System Standard heights		Altair® Louvre Galleries including Weatherstrip*		Powerlouvre™ Galleries 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	Height 152mm¹	Height 152mm²	Height 152mm	Height 102mm	Height 152mm	Height 102mm
2	371	-	380	-	358	-	418	423	330	-	360	-
3	511	361	520	370	498	348	558	563	470	320	500	350
4	651	451	660	460	638	438	698	703	610	410	640	440
5	791	541	800	550	778	528	838	843	750	500	780	530
6	931	631	940	640	918	618	978	983	890	590	920	620
7	1071	721	1080	730	1058	708	1118	1123	1030	680	1060	710
8	1211	811	1220	820	1198	798	1258	1263	1170	770	1200	800
9	1351	901	1360	910	1338	888	1398	1403	1310	860	1340	890
10	1491	991	1500	1000	1478	978	1538	1543	1450	950	1480	980
11	1631	1081	1640	1090	1618	1068	1678	1683	1590	1040	1620	1070
12	1771	1171	1780	1180	1758	1158	1818	1823	1730	1130	1760	1160
13	1911	1261	1920	1270	1898	1248	1958	1963	1870	1220	1900	1250
14	2051	1351	2060	1360	2038	1338	2098	2103	2010	1310	2040	1340
15	2191	1441	2200	1450	2178	1428	2238	2243	2150	1400	2180	1430
16	2331	1531	2340	1540	2318	1518	2378	2383	2290	1490	2320	1520
17	2471	1621	2480	1630	2458	1608	2518	2523	2430	1580	2460	1610
18	2611	1711	2620	1720	2598	1698	2658	2663	2570	1670	2600	1700
19	2751	1801	2760	1810	2738	1788	-	-	2710	1760	-	-
20	2891	1891	2900	1900	2878	1878	-	-	2850	1850	-	-
21	3031	1981	3040	1990	3018	1968	-	-	2990	1940	-	-
22	-	2071	-	2080	-	2058	-	-	-	2030	-	-
23	-	2161	-	2170	-	2148	-	-	-	2120	-	-
24	-	2251	-	2260	-	2238	-	-	-	2210	-	-
25	-	2341	-	2350	-	2328	-	-	-	2300	-	-
26	-	2431	-	2440	-	2418	-	-	-	2390	-	-
27	-	2521	-	2530	-	2508	-	-	-	2480	-	-
28	-	2611	-	2620	-	2598	-	-	-	2570	-	-
29	-	2701	-	2710	-	2688	-	-	-	2660	-	-
30	-	2791	-	2800	-	2778	-	-	-	2750	-	-
31	-	2881	-	2890	-	2868	-	-	-	2840	-	-
32	-	2971	-	2980	-	2958	-	-	-	2930	-	-
33	-	3061	-	3070	-	3048	-	-	-	3020	-	-

For Powerlouvre Standard heights

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

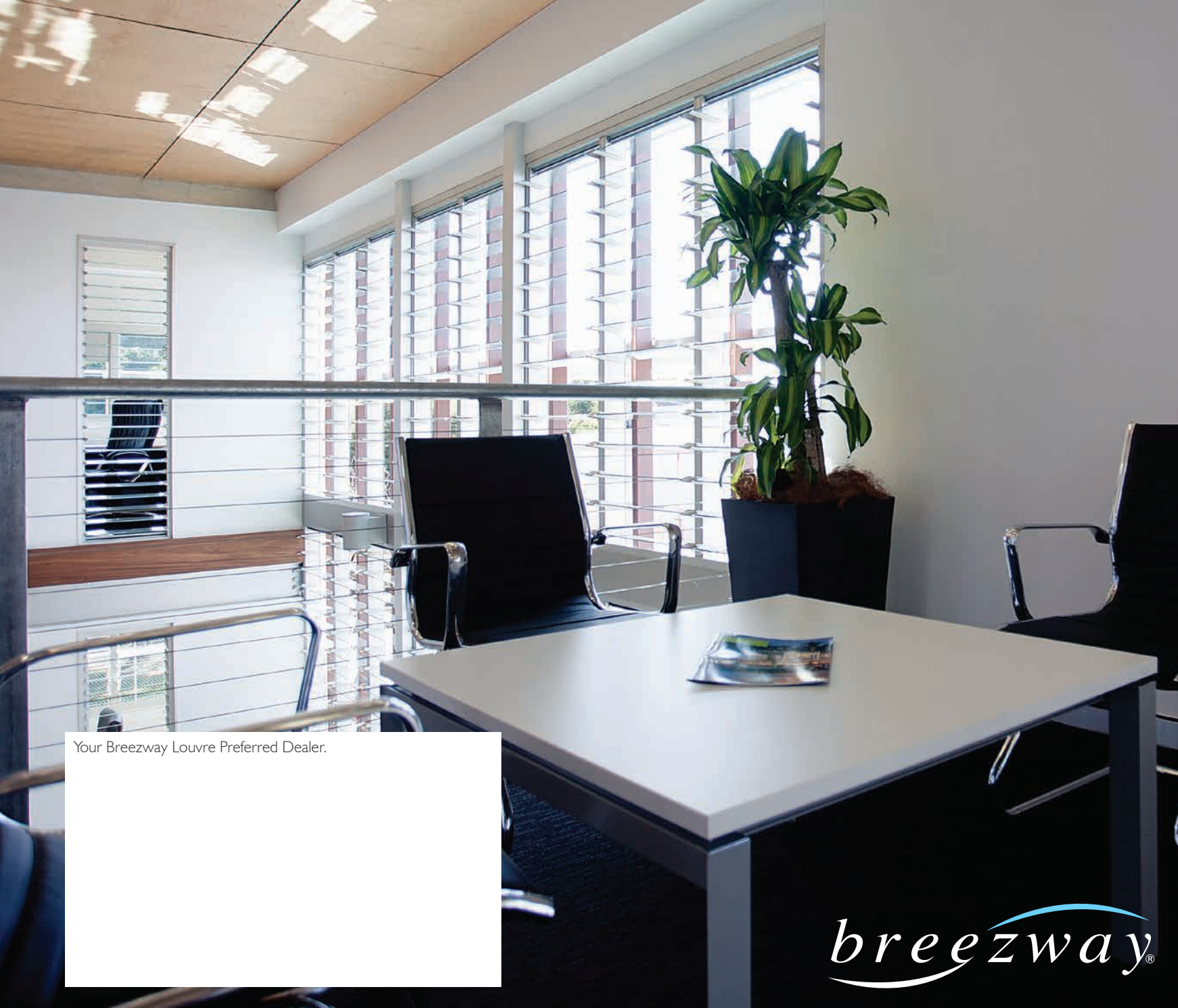
**Altair Powerlouvre Weatherstrip set must be used.

1. **Head:** Alspec® McArthur Evo™

Sill / Transom: Alspec McArthur Evo

2. **Head:** Alspec McArthur Evo

Sill / Transom: Alspec Hunter Evo™ Acoustic



Your Breezway Louvre Preferred Dealer:

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