



ALSPEC **DUALAIR**[®] SECONDARY GLAZED LOUVRE COMPONENT SYSTEM

Proudly partnered with *breezway*



Dualair®

"...provides outstanding results for improved water penetration, allowing larger window sizes to be installed..."

Dualair® Secondary Glazing Louvre Component System

Alspec Dualair® component system has been carefully designed to deliver a high performance dual glazed louvre system to the commercial market.

The system provides outstanding results for improved water penetration, allowing larger window sizes to be installed into project designs. Through the use of two louvre galleries inside the one frame, significant sound reduction can be achieved as well as excellent ventilation and shading to keep buildings cool and comfortable.

The Dualair® system has been built on the back of Alspec's architectural systems knowledge, which balances the needs of both form and function.

Designed for Alspec 150mm commercial framing systems:

- McArthur Evo 150mm Centre Pocket Framing
- Hunter Evo Acoustic 150mm Framing



Features

- The outer gallery must always be an Altair Powerlouvre® Gallery, the inner gallery can be a Powerlouvre® Gallery or manually operated.
- Fully compatible with the Stronghold® system with restricted openings to satisfy fall prevention requirements.
- Full range of colour and handle customising available.
- 6mm thick, 152mm glass or aluminium blades only.





Performance Results

Gallery specification

- 17 blade gallery
- 1127mm long blades

Water Penetration Resistance (AS2047)

620Pa water result achieved



Sound Performance

Outer Blade	Inner Blade	Optimised for Water Penetration Resistance R'w (C;Ctr)
Toughened Glass	Toughened Glass	35 (-1; -3)
Aluminium	Toughened Glass	35 (-2; -4)

Energy Performance

Dualair System in Alspec McArthur Evo 150mm Framing

Outer Blade	Inner Blade	U - Value	SHGC
Clear 6mm glass	Clear 6mm glass	3.4	0.47
Clear Low-E 6mm glass	Clear 6mm glass	2.8	0.14
Clear Low-E 6mm glass	Clear Low-E 6mm glass	2.4	0.10

Dualair System in Alspec Hunter Evo Acoustic 150mm Framing

Outer Blade	Inner Blade	U - Value	SHGC
Clear 6mm glass	Clear 6mm glass	3.8	0.46
Clear Low-E 6mm glass	Clear 6mm glass	3.2	0.15
Clear Low-E 6mm glass	Clear Low-E 6mm glass	2.9	0.11

Applications

The Alspec Dualair® Louvre Component System is a secondary glazed unit with sophisticated aesthetics and reduced installation costs making it ideal for a multitude of projects, particularly those with High Rw or Low U-value requirements.

Targeted project types

- Commercial
- Multi-level apartments
- Residential
- Government
- Education
- Retail



WATER PENETRATION

Significantly improved water penetration resistance up to 620Pa Water Penetration Resistance at floor to ceiling window sizes.



MAXIMUM VENTILATION

Maximum ventilation to keep building occupants comfortable.



ACOUSTIC INSULATION

Excellent sound acoustics to reduce outdoor noise. Rw ratings up to 35



THERMAL INSULATION

U-values ranging from 2.4 to 3.8 give comparable performance to double glazed windows with thermally broken frames.



AESTHETICS

Single window unit gives better aesthetics. Using aluminium patterned blades can create a decorative effect to the building facade.



SHADING / PRIVACY

Use aluminium or patterned glass blades on outer blades to provide shading and privacy.



INSTALLATION COSTS

Single window unit reduces installation costs.



Design

The Dualair® System can be configured to either maximise the STC rating or Water Penetration Resistance rating.

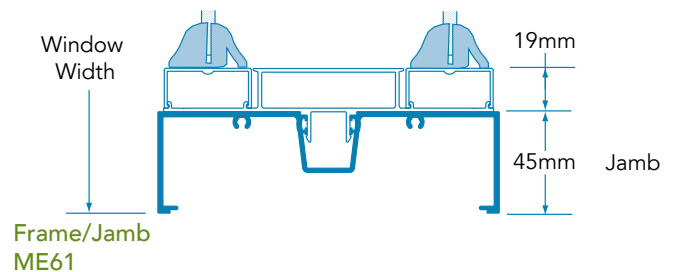
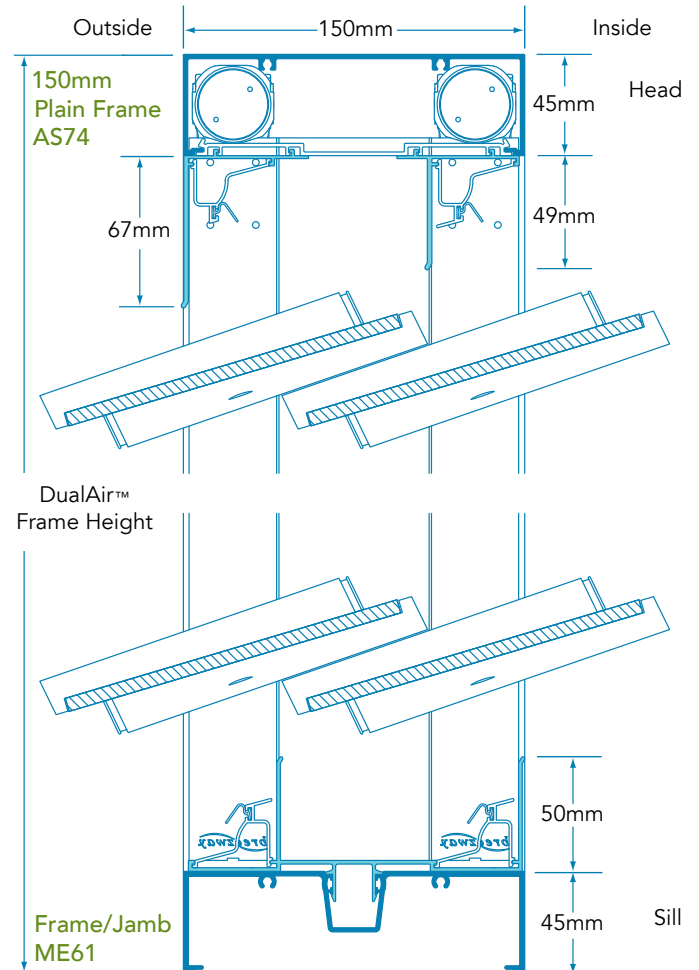
System Heights

Number of Blades	Height 152mm
2	418
3	558
4	698
5	838
6	978
7	1118
8	1258
9	1398
10	1538
11	1678
12	1818
13	1958
14	2098
15	2238
16	2378
17	2518
18	2658

Dimensions are in millimeters (mm)

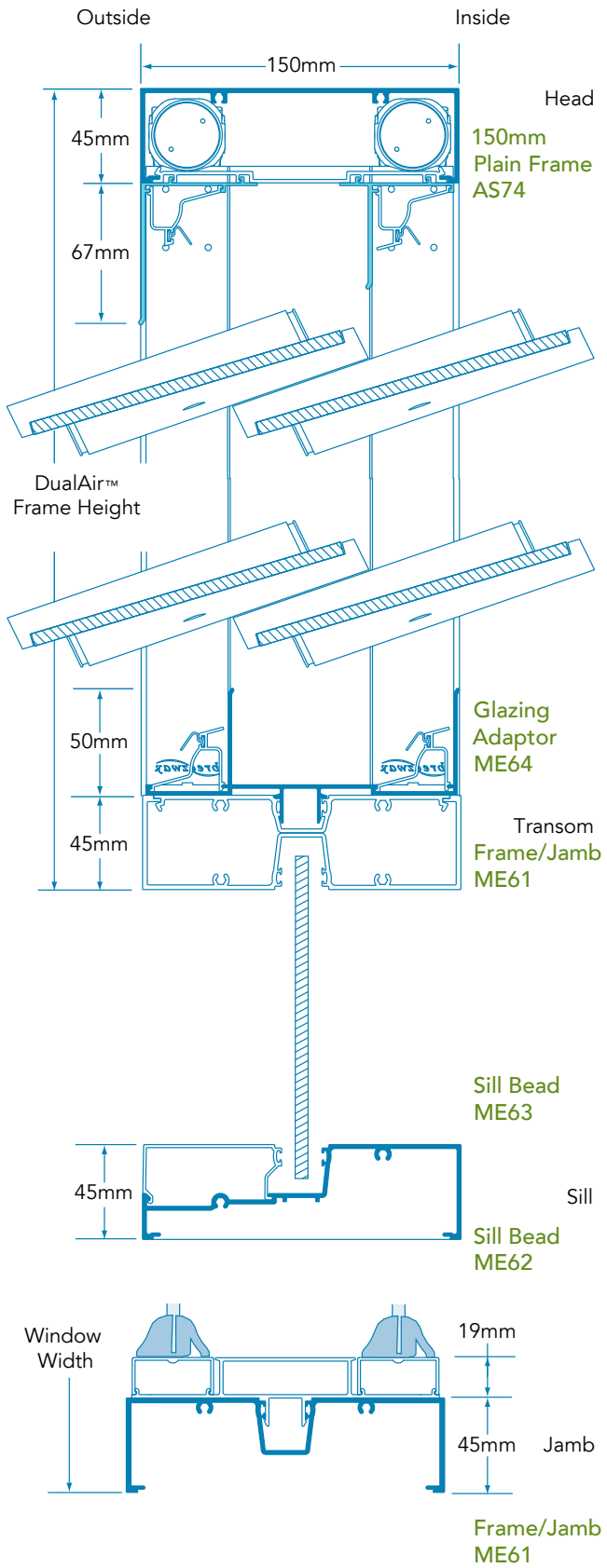
	Option 1	Option 2
Louvre Panel	McArthur Evo 150mm Centre Pocket Framing	Hunter Evo Acoustic 150mm Framing
Head	McArthur Evo	McArthur Evo
Sill	McArthur Evo	McArthur Evo
Jamb	McArthur Evo	Hunter Evo Acoustic
Mullions	McArthur Evo	Hunter Evo Acoustic
Transom	McArthur Evo	N/A

Alspec McArthur Evo 150mm Centre Pocket





Alspec McArthur Evo 150mm Centre Pocket



HEAD OFFICE | 3 Alspec Place Eastern Creek NSW 2766
Phone: 02 9834 9500 | Fax: 02 9834 9532 | info@alspec.com.au

SYDNEY BRANCH
3 Alspec Place
Eastern Creek NSW 2766
Phone: 02 9834 9500
Fax: 02 9834 9555
sydney@alspec.com.au

NEWCASTLE BRANCH
95 Griffiths Road
Lambton NSW 2299
Phone: 02 4952 9111
Fax: 02 4952 9728
newcastle@alspec.com.au

PERTH BRANCH
30 Holder Way
Malaga WA 6090
Phone: 08 9209 9100
Fax: 08 9209 9199
perth@alspec.com.au

CAIRNS BRANCH
11 Southgate Close
Woree QLD 4868
Phone: 07 4037 6666
Fax: 07 4037 6699
cairns@alspec.com.au

BRISBANE BRANCH
8-22 Jutland Street
Loganlea QLD 4131
Phone: 07 3089 4900
Fax: 07 3089 4999
brisbane@alspec.com.au

ADELAIDE BRANCH
1 Pope Court
Beverley SA 5009
Phone: 08 8150 6960
Fax: 08 8150 6999
adelaide@alspec.com.au

TOWNSVILLE BRANCH
21 Carroll Street
Mount Louisa QLD 4814
Phone: 07 3089 4965
Fax: 1300 131 747
townsville@alspec.com.au

MELBOURNE BRANCH
26-40 Pound Road West
Dandenong South VIC 3175
Phone: 03 8787 6333
Fax: 03 8787 6399
melbourne@alspec.com.au

DARWIN BRANCH
25 Bishop Street
Woolner NT 0820
Phone: 08 8941 7300
Fax: 08 8941 7322
darwin@alspec.com.au



Call 1300 ALSPEC
alspec.com.au