

Product Performance Warranty: Easyscreen™ Window Systems

The following table outlines the maximum variations that Breezway will warrant per wind pressure. Exceeding these constraints will void this Warranty. The limitations have been generated through Australian Standard AS2047 test results generated in a National Association of Testing Authorities (NATA) approved testing laboratory and over 60 years of experience manufacturing louvre windows. The design constraints below only apply to product sold as a fully assembled Louvre Window System with Altair® Aluminium Blades or glass blades to Breezway's specifications that is maintained according to the Breezway "Louvre Care and Maintenance" instructions.

For commercial applications, please consult Breezway with your specific project requirements.

	Wind Speed		Wind Speed		Wind Speed	
	Design ¹	Ultimate ²	Design ¹	Ultimate ²	Design ¹	Ultimate ²
	<ul style="list-style-type: none"> • 1000Pa • 41m/sec • 146km/h • 91mph 	<ul style="list-style-type: none"> • 1500Pa • 50m/sec • 180km/h • 111mph 	<ul style="list-style-type: none"> • 1500Pa • 50m/sec • 180km/h • 111mph 	<ul style="list-style-type: none"> • 2300Pa • 61m/sec • 222km/h • 138mph 	<ul style="list-style-type: none"> • 2200Pa • 60m/sec • 218km/h • 135mph 	<ul style="list-style-type: none"> • 3000Pa • 70m/sec • 254 km/h • 158mph
	200Pa Water Pass		200Pa Water Pass		300Pa Water Pass	
	Max Blade Length ³	Max Window Height	Max Blade Length ³	Max Window Height	Max Blade Length ³	Max Window Height
Easyscreen Louvre Window System Single Bay						
152mm Altair Louvre	900	3031	750	3031	600	2471
102mm Altair Louvre	750	3061	750	3061	600	2521
Easyscreen Louvre Window System Multiple Bays (maximum bay widths as per single bay windows)						
Easyscreen Mullion	-	3061	-	3061	-	2521
Easyscreen Louvre Window System Multiple Windows (coupled vertically)*						
Easyscreen Coupler	-	3061	-	3061	-	2521

*For horizontal coupling please consult Breezway.

Note:

1. Design Wind Speed = Serviceability Limit State Wind Pressure / Design Wind Pressure / Permissible Stress. The ability of the window to perform the intended function under normal service conditions avoiding excessive deflection or the appearance of buckling.
2. Ultimate Wind Speed = Ultimate Limit State Wind Pressure / Ultimate Strength Pressure. The maximum load carrying resistance of the window. Subjecting the window to wind pressures in excess of the Ultimate Wind Speed is likely to result in the window collapsing.
3. Maximum blade lengths apply regardless of whether annealed glass, toughened glass or aluminium blades are used. Glass blades must be 6mm thick and straight and flat within 0.35mm/m.

Product Performance Warranty: Slimline™ Window Systems

The following table outlines the maximum variations that Breezway will warrant per wind pressure. Exceeding these constraints will void this Warranty. The limitations have been generated through Australian Standard AS2047 test results generated in a National Association of Testing Authorities (NATA) approved testing laboratory and over 60 years of experience manufacturing louvre windows. The design constraints below only apply to product sold as a fully assembled Louvre Window System with Altair® Aluminium Blades or glass blades to Breezway's specifications that is maintained according to the Breezway "Louvre Care and Maintenance" instructions.

For commercial applications, please consult Breezway with your specific project requirements.

	Wind Speed		Wind Speed		Wind Speed	
	Design ¹	Ultimate ²	Design ¹	Ultimate ²	Design ¹	Ultimate ²
	<ul style="list-style-type: none"> • 1000Pa • 41m/sec • 146km/h • 91mph 	<ul style="list-style-type: none"> • 1500Pa • 50m/sec • 180km/h • 111mph 	<ul style="list-style-type: none"> • 1500Pa • 50m/sec • 180km/h • 111mph 	<ul style="list-style-type: none"> • 2300Pa • 61m/sec • 222km/h • 138mph 	<ul style="list-style-type: none"> • 2200Pa • 60m/sec • 218km/h • 135mph 	<ul style="list-style-type: none"> • 3000Pa • 70m/sec • 254 km/h • 158mph
	150Pa Water Pass		200Pa Water Pass		200Pa Water Pass	
	Max Blade Length ³	Max Window Height	Max Blade Length ³	Max Window Height	Max Blade Length ³	Max Window Height
Slimline Louvre Window System Single Bay						
152mm Altair Louvre	900	3005	750	3005	600	2445
102mm Altair Louvre	750	3035	750	3035	600	2495
Slimline Window System Multiple Bays (maximum bay widths as per single bay windows)						
Medium Duty (38 x 25) Mullion	-	1430	-	1320	-	1250
Slimline Louvre Window System Multiple Windows (coupled vertically)*						
Slimline Coupler	-	1451	-	1340	-	1261

*For horizontal coupling please consult Breezway.

Note:

1. Design Wind Speed = Serviceability Limit State Wind Pressure / Design Wind Pressure / Permissible Stress. The ability of the window to perform the intended function under normal service conditions avoiding excessive deflection or the appearance of buckling.
2. Ultimate Wind Speed = Ultimate Limit State Wind Pressure / Ultimate Strength Pressure. The maximum load carrying resistance of the window. Subjecting the window to wind pressures in excess of the Ultimate Wind Speed is likely to result in the window collapsing.
3. Maximum blade lengths apply regardless of whether annealed glass, toughened glass or aluminium blades are used. Glass blades must be 6mm thick and straight and flat within 0.35mm/m.

Product Performance Warranty: Altair® Component System

The following table outlines the maximum variations that Breezway will warrant per wind pressure. Exceeding these constraints will void this Warranty. The limitations have been generated through Australian Standard AS2047 test results generated in a National Association of Testing Authorities (NATA) approved testing laboratory and over 60 years of experience manufacturing louvre windows. The design constraints below only apply to Altair Component Systems with Altair Aluminium Blades or glass blades to Breezway's specifications that are maintained according to the Breezway "Louvre Care and Maintenance" instructions.

Wind Speed		Wind Speed		Wind Speed	
Design ¹	Ultimate ²	Design ¹	Ultimate ²	Design ¹	Ultimate ²
<ul style="list-style-type: none"> • 1000Pa • 41m/sec • 146km/h • 91mph 	<ul style="list-style-type: none"> • 1500Pa • 50m/sec • 180km/h • 111mph 	<ul style="list-style-type: none"> • 1500Pa • 50m/sec • 180km/h • 111mph 	<ul style="list-style-type: none"> • 2300Pa • 61m/sec • 222km/h • 138mph 	<ul style="list-style-type: none"> • 2200Pa • 60m/sec • 218km/h • 135mph 	<ul style="list-style-type: none"> • 3000Pa • 70m/sec • 254 km/h • 158mph
150Pa Water Pass		200Pa Water Pass		200Pa Water Pass	
Max Blade Length ³	Max Louvre Height	Max Blade Length ³	Max Louvre Height	Max Blade Length ³	Max Louvre Height

Altair Component System Single Bay						
152mm Altair Louvre	900	2990	750	2990	600	2430
102mm Altair Louvre	750	3020	750	3020	600	2480
Mullion Type⁴		Max Mullion Height		Max Mullion Height		Max Mullion Height
Mullionstrip	-	1307	-	1141	-	1080
Medium Duty Mullion (38 x 25)	-	1452	-	1346	-	1274

Note:

Max Louvre Heights include top and bottom Altair Weatherstrips.

1. Design Wind Speed = Serviceability Limit State Wind Pressure / Design Wind Pressure / Permissible Stress. The ability of the window to perform the intended function under normal service conditions avoiding excessive deflection or the appearance of buckling.
2. Ultimate Wind Speed = Ultimate Limit State Wind Pressure / Ultimate Strength Pressure. The maximum load carrying resistance of the window. Subjecting the window to wind pressures in excess of the Ultimate Wind Speed is likely to result in the window collapsing.
3. Maximum blade lengths apply regardless of whether annealed glass, toughened glass or aluminium blades are used. Glass blades must be 6mm thick and straight and flat within 0.35mm/m.
4. Heavy Duty Mullions are not available with the Altair Component System. Heavy Duty Mullions can only be used within Breezway Window Systems.
5. The Altair Component System Product Performance Warranty is applicable only when Breezway Altair Weatherstrips are used and the system is installed in accordance with Breezway recommended installation procedures.