

## Product Performance Warranty for 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 <sup>1</sup>	Ultimate <sup>2</sup>	Design <sup>1</sup>	Ultimate <sup>2</sup>	Design <sup>1</sup>	Ultimate <sup>2</sup>
1000Pa 41m/sec 146km/h 91mph	1500Pa 50m/sec 180km/h 111mph	1500Pa 50m/sec 180km/h 111mph	2300Pa 61m/sec 222km/h 138mph	2200Pa 60m/sec 218km/h 135mph	3000Pa 70m/sec 254 km/h 158mph
150Pa Water Pass		200Pa Water Pass		200Pa Water Pass	
Max Blade Length <sup>3</sup>	Max Louvre Height	Max Blade Length <sup>3</sup>	Max Louvre Height	Max Blade Length <sup>3</sup>	Max Louvre Height
Altair Component System Single Bay					
152mm Altair Louvre	900	2990	750	2990	600
102mm Altair Louvre	750	3020	750	3020	600
Mullion Type <sup>5</sup>		Max Mullion Height		Max Mullion Height	Max Mullion Height
Mullion strip	–	1307	–	1141	–
Medium Duty Mullion (38 x 25)	–	1452	–	1346	–
					1274

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.** Using the Stronghold System for 152mm blade lengths greater than 900mm The Stronghold System is an optional feature of the Altair Louvre Window which mechanically fixes the blades into the clips. These mechanical fixings enable bay widths of up to 1200mm to be achieved in some regions. In other regions, the ULS and Water Pass requirements of AS2047-2014 prevent these wider bay

widths from being warranted. Easyscreen, or Altair Component System High Profile Sills and standard heights are required.

**5.** Heavy Duty Mullions are not available with the Altair Component System. Heavy Duty Mullions can only be used within Breezway Window Systems.

**6.** 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.