

**AS2047-1999 Product Performance Warranty: Altair® Louvres in Non-Cyclonic Regions: Housing**

	N1/N2		N3				N4	
	700 Pa SLS 1000 Pa ULS 150 Pa Water Pass		1000 Pa SLS 1500 Pa ULS				1500 Pa SLS 2300 Pa ULS 200 Pa Water Pass	
	Max Blade Length	Max Height	Max Blade Length	Max Height	Max Blade Length	Max Height	Max Blade Length	Max Height
<b>152mm Altair Louvre with or without the Stronghold System</b>								
152mm annealed glass <sup>1</sup>	900	21 blade	900	21 blade	900	21 blade	750	21 blade
152mm toughened glass <sup>1</sup>	900	21 blade	900	21 blade	900	21 blade	900	21 blade
152mm aluminium blade	900	21 blade	900	21 blade	900	21 blade	900	21 blade
152mm timber blade	900	17 blade	900	17 blade	900	17 blade	900	17 blade
Easyscreen & Innoscreen Mullion <sup>2</sup>	-	21 blade	-	17 blade	-	21 blade	-	21 blade
SL2 Medium Duty Mullion <sup>2</sup>	-	12 blade	-	12 blade	-	12 blade	-	10 blade
SL2 Heavy Duty Mullion <sup>2</sup>	-	21 blade	-	21 blade	-	21 blade	-	21 blade
Medium Duty Component Mullion <sup>2</sup>	-	12 blade	-	12 blade	-	12 blade	-	10 blade
<b>152mm Altair Louvre with the Stronghold System</b>								
152mm toughened glass <sup>1</sup>	1127 <sup>3</sup>	15 blade <sup>3</sup>	1127 <sup>3</sup>	15 blade <sup>3</sup>	900	21 blade	1127 <sup>3</sup>	11 blade <sup>3</sup>
Easyscreen & Innoscreen Mullion <sup>2</sup>	-	15 blade	-	15 blade	-	21 blade	-	11 blade
<b>102mm Altair Louvre with or without the Stronghold System</b>								
102mm annealed glass <sup>1</sup>	750	33 blade	750	33 blade	750	33 blade	750	33 blade
102mm toughened glass <sup>1</sup>	750	33 blade	750	33 blade	750	33 blade	750	33 blade
102mm aluminium blade	750	33 blade	750	33 blade	750	33 blade	750	33 blade
102mm timber blade	750	27 blade	750	27 blade	750	27 blade	750	27 blade
Easyscreen & Innoscreen Mullion <sup>2</sup>	-	33 blade	-	33 blade	-	33 blade	-	33 blade
SL2 Medium Duty Mullion <sup>2</sup>	-	20 blade	-	20 blade	-	20 blade	-	17 blade
SL2 Heavy Duty Mullion <sup>2</sup>	-	33 blade	-	33 blade	-	33 blade	-	33 blade
Medium Duty Component Mullion <sup>2</sup>	-	20 blade	-	20 blade	-	20 blade	-	11 blade

**Notes:**
**1. Glass blade size and flatness**

Glass blades must be 6.0mm ±0.1mm thick and must be straight and flat within 0.3mm/m. Glass blades must be 152.00mm ±0.6mm high or 102.00mm ±0.6mm high.

**2. Mullions**

Mullion heights are based on a 1:150 deflection ratio which is suitable for housing.

**3. 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 non-cyclonic regions due to the lower water pass requirements of these regions. In other regions, the Water Pass requirements of AS2047-1999 prevent these wider bay widths from being warranted. Easyscreen or Innoscreen High Profile Sills are required.

**4. Water Pass Ratings greater than 300Pa**

A High Profile Sill is required to achieve Water Pass ratings greater than 300Pa.

- High Profile Sills are available in the Breezway Easyscreen and Innoscreen Window Systems and in the Altair Component System.
  - High Profile Sills are not available in the Breezway SL2 Window System.
  - Altair 102mm Louvres are not suitable for use with High Profile Sills as they are prevented from opening beyond 28°.
- Water Pass ratings greater than 300Pa are only achievable using Altair Gallery sets without screw holes.
- Altair Gallery sets snap into Breezway Window Systems, so do not require screw holes.
  - Altair Backing Strips allow Altair Component Systems to be installed without screw holes.

	N5		N6	
	Max Blade Length	Max Height	Max Blade Length	Max Height
	2200 Pa SLS 3300 Pa ULS 300 Pa Water Pass		3000 Pa SLS 4500 Pa ULS 450 Pa Water Pass <sup>4</sup>	
<b>152mm Altair Louvre with or without the Stronghold System</b>				
152mm annealed glass <sup>1</sup>	627	17 blade	499 <sup>4</sup>	10 blade <sup>4</sup>
152mm toughened glass <sup>1</sup>	707	17 blade	499 <sup>4</sup>	10 blade <sup>4</sup>
152mm aluminium blade	707	17 blade	-	-
152mm timber blade	-	-	-	-
Easyscreen & Innoscreen Mullion <sup>2</sup>	-	17 blade	-	15 blade
SL2 Medium Duty Mullion <sup>2</sup>	-	10 blade	-	-
SL2 Heavy Duty Mullion <sup>2</sup>	-	17 blade	-	-
Medium Duty Component Mullion <sup>2</sup>	-	10 blade	-	-
<b>152mm Altair Louvre with or without the Stronghold System, with Handle Locking Bar, in a Breezway Window System</b>				
152mm annealed glass <sup>1</sup>	627	17 blade	499 <sup>4</sup>	15 blade <sup>4</sup>
152mm toughened glass <sup>1</sup>	707	17 blade	499 <sup>4</sup>	15 blade <sup>4</sup>
Easyscreen & Innoscreen Mullion <sup>2</sup>	-	17 blade	-	15 blade
Medium Duty Component Mullion <sup>2</sup>	-	10 blade	-	-
<b>102mm Altair Louvre with or without the Stronghold System</b>				
102mm annealed glass <sup>1</sup>	627	27 blade	-	-
102mm toughened glass <sup>1</sup>	707	27 blade	-	-
102mm aluminium blade	707	27 blade	-	-
102mm timber blade	-	-	-	-
Easyscreen & Innoscreen Mullion <sup>2</sup>	-	27 blade	-	-
SL2 Medium Duty Mullion <sup>2</sup>	-	15 blade	-	-
SL2 Heavy Duty Mullion <sup>2</sup>	-	27 blade	-	-
Medium Duty Component Mullion <sup>2</sup>	-	15 blade	-	-

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