

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

	CI							
	More Than 1200mm From Corners				Within 1200mm Of Corners			
	470 Pa SLS 1800 Pa ULS				830 Pa SLS 2700 Pa ULS			
	150 Pa Water Pass		200 Pa Water Pass		150 Pa Water Pass		200 Pa Water Pass	
	Max Blade Length	Max Height	Max Blade Length	Max Height	Max Blade Length	Max Height	Max Blade Length	Max Height
152mm Altair Louvre with or without the Stronghold System								
152mm annealed glass ¹	849	21 blade	849	21 blade	693	21 blade	693	21 blade
152mm toughened glass ¹	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	21 blade	900	21 blade
Easyscreen & Innoscreen Mullion ²	-	21 blade	-	21 blade	-	21 blade	-	21 blade
SL2 Medium Duty Mullion ²	-	11 blade	-	11 blade	-	10 blade	-	10 blade
SL2 Heavy Duty Mullion ²	-	21 blade	-	21 blade	-	21 blade	-	21 blade
Medium Duty Component Mullion ²	-	11 blade	-	11 blade	-	9 blade	-	9 blade
152mm Altair Louvre with the Stronghold System								
152mm toughened glass ¹	1127 ³	15 blade ³	900	21 blade	1096 ³	15 blade ³	900	21 blade
Easyscreen & Innoscreen Mullion ²	-	15 blade	-	21 blade	-	15 blade	-	21 blade
102mm Altair Louvre with or without the Stronghold System								
102mm annealed glass ¹	750	33 blade	750	33 blade	693	33 blade	693	33 blade
102mm toughened glass ¹	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	33 blade	750	33 blade
Easyscreen & Innoscreen Mullion ²	-	33 blade	-	33 blade	-	33 blade	-	33 blade
SL2 Medium Duty Mullion ²	-	19 blade	-	19 blade	-	16 blade	-	16 blade
SL2 Heavy Duty Mullion ²	-	33 blade	-	33 blade	-	33 blade	-	33 blade
Medium Duty Component Mullion ²	-	19 blade	-	19 blade	-	16 blade	-	16 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.

C2					C3			
More Than 1200mm From Corners		Within 1200mm Of Corners			More Than 1200mm From Corners		Within 1200mm Of Corners	
700 Pa SLS 2680 Pa ULS 200 Pa Water Pass		1230 Pa SLS 4020 Pa ULS 200 Pa Water Pass			1020 Pa SLS 3940 Pa ULS 300 Pa Water Pass		1790 Pa SLS 5910 Pa ULS 300 Pa Water Pass	
Max Blade Length	Max Height	Max Blade Length	Max Height	Max Blade Length	Max Height	Max Blade Length	Max Height	
152mm Altair Louvre with or without the Stronghold System								
152mm annealed glass ¹	693	21 blade	562	21 blade	569	19 blade	465	20 blade
152mm toughened glass ¹	900	21 blade	889	21 blade	900	14 blade	735	17 blade
152mm aluminium blade	900	21 blade	889	21 blade	707	17 blade	707	17 blade
152mm timber blade	900	17 blade	889	21 blade	-	-	-	-
Easyscreen & Innoscreen Mullion ²	-	21 blade	-	19 blade	-	19 blade	-	20 blade
SL2 Medium Duty Mullion ²	-	10 blade	-	8 blade	-	8 blade	-	8 blade
SL2 Heavy Duty Mullion ²	-	20 blade	-	18 blade	-	14 blade	-	20 blade
Medium Duty Component Mullion ²	-	10 blade	-	-	-	-	-	-
152mm Altair Louvre with the Stronghold System								
152mm toughened glass ¹	1096 ³	13 blade ³	889	21 blade	900	14 blade	735	17 blade
Easyscreen & Innoscreen Mullion ²	-	13 blade	-	19 blade	-	14 blade	-	17 blade
102mm Altair Louvre with or without the Stronghold System								
102mm annealed glass ¹	693	33 blade	562	33 blade	569	30 blade	465	32 blade
102mm toughened glass ¹	750	33 blade	750	33 blade	750	25 blade	735	26 blade
102mm aluminium blade	750	33 blade	750	33 blade	707	27 blade	707	27 blade
102mm timber blade	750	27 blade	750	33 blade	-	-	-	-
Easyscreen & Innoscreen Mullion ²	-	33 blade	-	31 blade	-	30 blade	-	30 blade
SL2 Medium Duty Mullion ²	-	16 blade	-	14 blade	-	14 blade	-	14 blade
SL2 Heavy Duty Mullion ²	-	33 blade	-	30 blade	-	30 blade	-	30 blade
Medium Duty Component Mullion ²	-	16 blade	-	-	-	-	-	-

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