

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

N1/N2				N3				N4				N5				N6				
General location		Corner Windows		General location		Corner Windows		General location		Corner Windows		General location		Corner Windows		General location		Corner Windows		
400 Pa SLS		600 Pa SLS		600 Pa SLS		800 Pa SLS		800 Pa SLS		1200 Pa SLS		1200 Pa SLS		1800 Pa SLS		1600 Pa SLS		2500 Pa SLS		
900 Pa ULS		1300 Pa ULS		1400 Pa ULS		2000 Pa ULS		2000 Pa ULS		3000 Pa ULS		3000 Pa ULS		4500 Pa ULS		4000 Pa ULS		6000 Pa ULS		
150 Pa Water Pass		150 Pa Water Pass		150 Pa Water Pass		150 Pa Water Pass		200 Pa Water Pass		200 Pa Water Pass		300 Pa Water Pass		300 Pa Water Pass		450 Pa Water Pass		450 Pa Water Pass		
Max Blade Length	Max Height	Max Blade Length	Max Height	Max Blade Length	Max Height	Max Blade Length	Max Height	Max Blade Length	Max Height	Max Blade Length	Max Height	Max Blade Length	Max Height	Max Blade Length	Max Height	Max Blade Length	Max Height	Max Blade Length	Max Height	
mm	Blades	mm	Blades	mm	Blades	mm	Blades	mm	Blades	mm	Blades	mm	Blades	mm	Blades	mm	Blades	mm	Blades	
152mm Altair Louvre with or without the Stronghold System																				
152mm annealed glass ¹	900	21	900	21	900	21	805	21	805	21	658	21	658 ⁵	17 ⁵	537 ⁵	20 ⁵	569 ^{4,5}	8 ^{4,5}	465 ^{4,5}	10 ^{4,5}
152mm toughened glass ¹	900	21	900	21	900	21	900	21	900	21	900	21	900 ⁵	14 ⁵	849 ⁵	15 ⁵	800 ^{4,5}	5 ^{4,5}	735 ^{4,5}	6 ^{4,5}
152mm aluminium blade	900	21	900	21	900	21	900	21	900	21	900	21	707	17	707	17	NA	NA	NA	NA
152mm timber blade	900	17	900	17	900	17	900	17	900	17	900	17	NA	NA	NA	NA	NA	NA	NA	NA
Easyscreen & Innoscreen Mullion ²	-	21	-	21	-	21	-	20	-	20	-	17	-	17	-	16	-	8	-	10
SL2 Mullion ²	-	13	-	11	-	10	-	9	-	9	-	8	-	8	-	7	-	NA	-	NA
152mm Altair Louvre with the Stronghold System																				
152mm toughened glass ¹	1127 ³	15 ³	1127 ³	15 ³	1127 ³	15 ³	1127 ³	15 ³	1127 ³	11 ³	-	-	-	-	-	-	-	-	-	-
Easyscreen & Innoscreen Mullion ²	-	15	-	15	-	15	-	15	-	11	-	-	-	-	-	-	-	-	-	-
102mm Altair Louvre with or without the Stronghold System																				
102mm annealed glass ¹	750	33	750	33	750	33	750	33	750	33	658	33	658	27	537	31	NA	NA	NA	NA
102mm toughened glass ¹	750	33	750	33	750	33	750	33	750	33	750	33	750	25	750	25	NA	NA	NA	NA
102mm aluminium blade	750	33	750	33	750	33	750	33	750	33	750	33	707	27	707	27	NA	NA	NA	NA
102mm timber blade	750	27	750	27	750	27	750	27	750	27	750	27	NA	NA	NA	NA	NA	NA	NA	NA
Easyscreen & Innoscreen Mullion ²	-	33	-	33	-	33	-	33	-	33	-	29	-	27	-	25	-	NA	-	NA
SL2 Mullion ²	-	22	-	19	-	17	-	15	-	15	-	13	-	13	-	11	-	NA	-	NA

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 1:250 deflection ratio and the maximum warranted louvre bay widths for each N or C rating and window location.

3. Using the Stronghold System for 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, Innoscreen or Altair Component System High Profile Sills and standard heights 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.

5. Narrower, taller bays with toughened glass

The Product Performance Warranty constraints for annealed glass can also be applied to toughened glass. The Product Performance Warranty constraints for toughened glass cannot be applied to annealed glass.