





# SYSTEM SUPPLIER SPECIFICATION

## Q - Mark Aluminium Window Scheme

This window specification has potential to be Q-Mark certified. Refer to fabricator's Q-Mark Scope.

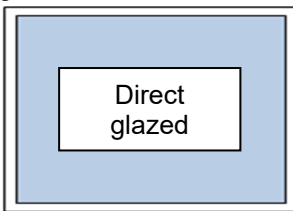
*A window can only be referenced as Q-Mark certified when it has been fully manufactured by a fabricator who is certified in their own right under the BM TRADA Q-Mark certification scheme and who will have a Q-Mark scope document created in their own name for the specific window that they wish to place on the market.*

**This specification document does not allow a fabricator to demonstrate compliance with Q-Mark, BS 4873, PAS 24 or Secured by Design.**

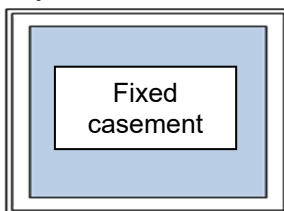
<b>Senior Architectural Systems Ltd</b> Eland Road Denaby Main Doncaster DN12 4HA		 Proud to be part of 	
Completed: <b>P. Andrews</b> 	Checked: <b>P. Wren</b> 	The validity of this specification document should be checked against the current schedule of the Company's certification listed on the BM TRADA website <a href="http://www.bmtrada.com">www.bmtrada.com</a> .  Reference should be made to the BM TRADA certificate number for each fabricator placing the product on the market.	
Issue: <b>4</b>	Date: <b>27 July 2020</b>	Details: Addition of French casement option	
Specification Reference: <b>W072-012</b>		This document remains the intellectual property of BM TRADA. It shall not be made available to another person or company without the prior written permission of BM TRADA.	
Product Name: <p style="text-align: center;"> <b>SAS Ali VU Casement</b>  <b>SAS Ali VU Ovolo Frame Casement</b>  <b>SAS Ali VU Multi Frame Casement</b>  <b>SAS Ali VU Flush Casement</b>  <b>SAS Ali VU French Casement</b>  <b>Outward Opening Aluminium Casement Window</b> </p>			
<b>Window classification 'W'</b>		Test evidence is held on file by BM TRADA	

### Design options

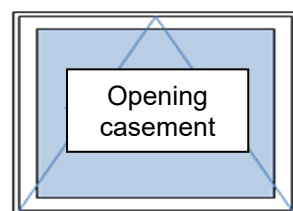
Designs shown below are diagrammatical only. Refer to minimum / maximum sizes below for clarification.



Direct  
glazed

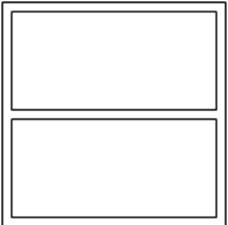
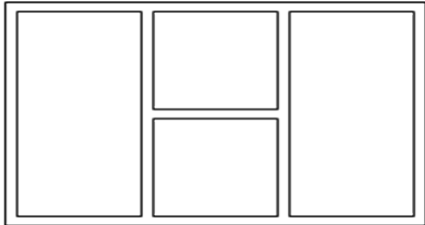



Fixed  
casement



Opening  
casement

Transom and mullion joints Type A, B, C, are allowed within window outer frames for this scope.

<b>Type A</b> Transoms or mullions connected only to the outer frame / casement  	<b>Type B</b> Transoms or mullions connecting to another transom or mullion as a 'T' joint.  	<b>Type C</b> Transoms or mullions connecting to another transom or mullion as a 'Cruciform' joint.  
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**Weather rating**

BS6375 part 1 Exposure category <b>1600</b> (on largest specimen)
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**Maximum casement size**

Top hung (not including frame)	1570mm wide x 1570mm high
Side hung (not including frame)	950mm wide x 1570mm high

**Opening Casement**

	Material/type	Dimensions (mm)
Stiles and rails	Senior Architectural Systems casement profile (Ref. SPW710713)	68 x 49
	Senior Architectural Systems casement profile (Ref. SPW712713)	68 x 49
	Senior Architectural Systems casement profile (Ref. SPW714715)	68 x 49
	Senior Architectural Systems casement profile (Ref. SPW711713)	68 x 49
Rebate	Single rebate	17.5
Joints	Mitred and crimped with 1No. Senior Architectural Systems (Ref. SPW760CT14) and 1No. Senior Architectural Systems (Ref. SPW761CT12) cleat	-
Adhesive	Senior Architectural Systems Aluminium glue (Ref. 3COS0073)	-

**Fixed Casement**

	Material/type	Dimensions (mm)
Stiles and rails	Senior Architectural Systems casement profile (Ref. SPW736739)	68 x 39
	Senior Architectural Systems casement profile (Ref. SPW738739)	68 x 39
	Senior Architectural Systems casement profile (Ref. SPW737739)	
Rebate	Single rebate	17.5
Joints	Mitred and crimped with 1No. Senior Architectural Systems (Ref. SPW760CT14) and 1No. Senior Architectural Systems (Ref. SPW761CT12) cleat	-
Adhesive	Senior Architectural Systems Aluminium glue (Ref. 3COS0073)	-

## Window Frame

	Material/type	Dimensions (mm)
Stiles and rails	Senior Architectural Systems (Ref. SPW700701) aluminium profile	68 x 39.5
	Senior Architectural Systems (Ref. SPW716717) aluminium profile	68 x 57
	Senior Architectural Systems (Ref. SPW717716) aluminium profile	68 x 57
	Senior Architectural Systems (Ref. SPW716716) aluminium profile	68 x 57
	Senior Architectural Systems (Ref. SPW700702) aluminium profile	75 x 39.5
	Senior Architectural Systems (Ref. SPW764701) aluminium profile	76 x 39.5
	Senior Architectural Systems (Ref. SPW769717) aluminium profile	76 x 57
	Senior Architectural Systems (Ref. SPW700700) aluminium profile and upstand profile (Ref. SPW719F) screw fixed at nominal 150mm from ends and 450mm centres with No 7 x 13mm screws (Ref. SFSCS0713) and sealed with silicone bead	68 x 22 17.5 x 4
Joints	Mitred and crimped with 2No. Senior Architectural Systems (Ref. SPW760CT14) cleats	-
Mullion	Senior Architectural Systems (Ref. SPW703704) aluminium profile	68 x 54
	Senior Architectural Systems (Ref. SPW704703) aluminium profile	68 x 54
	Senior Architectural Systems (Ref. SPW706707) aluminium profile	68 x 54
	Senior Architectural Systems (Ref. SPW707706) aluminium profile	68 x 54
	Senior Architectural Systems (Ref. SPW707708) aluminium profile	75 x 54
	Senior Architectural Systems (Ref. SPW767768) aluminium profile	68 x 63
	Senior Architectural Systems (Ref. SPW765766) aluminium profile	68 x 63
	Senior Architectural Systems (Ref. SPW706706) aluminium profile and upstand profiles (Ref. SPW719F) screw fixed at nominal 150mm from ends and 450mm centres with No 7 x 13mm screws (Ref. SFSCS0713) and sealed with silicone bead	67.5 x 19 17.5 x 4
	Senior Architectural Systems (Ref. SPW703703) aluminium profile and upstand profiles (Ref. SPW719F) screw fixed at nominal 150mm from ends and 450mm centres with No 7 x 13mm screws (Ref. SFSCS0713) and sealed with silicone bead	67.5 x 19 17.5 x 4
Joints	Senior Architectural Systems 1No (Ref. SPW762CT9) cleat and 1No (Ref SPW763CT15) cleat with 1No M4 x 6 grub screw and 1No No 8 x 16 self tapping screw	28.2 x 13.15 15.5 x 13.5
Adhesive	Senior Architectural Systems Aluminium glue (Ref. 3COS0073)	-

## Opening Casement Hardware

	Make/type	Size (mm)	Fixing details (dimensions in mm)
Hinges top hung	Senior Architectural Systems (Ref. SPW7HS24, SPW7HS20, SPWHS16, SPW7HS12 or SPW7HS10)	-	No 8 x 10 screws (Ref. SFSF0810) into casement No 8 x 10 screws (Ref. SFSBP0810) into Frame
Hinges Side hung	Senior Architectural Systems (Ref. SWFS16A, SPW7HS16, SPW7HS12 or SPW7HS10) side hung friction hinges	-	No 8 x 10 screws (Ref. SFSF0810) into casement No 8 x 10 screws (Ref. SFSBP0810) into Frame
Hinge protection	2No. Senior Architectural Systems (Ref. HCMA353309SC) hinge protector sets	68 x 18	2No. No 8 x 9.5 screws (Ref. SFSBL0809) into casement 2No. 4 x 16 screws (Ref. SFSCS07) into Frame
Side hung hinge guide	1No Senior architectural Systems Ltd (Ref SWP7HG)	-	2No No 8 x 9.5 screws per guide
Locking mechanism	1No. Senior Architectural Systems espag rod (Ref. SPW7E7LH, Ref. SPW7E7RH, Ref. SPW7E6LH, Ref. SPW7E6RH, Ref. SPW7E5LH, Ref. SPW7E5RH, Ref. SPW7E4LH, Ref. SPW7E4RH, Ref. SPW7E3LH, Ref. SPW7E3RH, Ref. SPW7E2LH, Ref. SPW7E2RH, Ref. SPW7E1LH, Ref. SPW7E1RH)	16 wide	No 8 x 9.5 screws (Ref. SFSBC0809)
Keeps	Senior Architectural Systems (Ref. SPW7CK) with 1mm keep packer	41 x 44	2No. No 8 x 16 screws (Ref. SFSCS07) 1No No 8 x 19 screw (Ref. SFSCS0819)
French Casement Locking mechanism	Senior Architectural Systems Shootbolt Corner Assembly (Ref. SPW7ESB)	172 x 67	No 8 x 9.5 screws (Ref. SFSBC0809)
French Casement shootbolt keeps	Senior Architectural Systems Shootbolt Keep (Ref. SPW7SBK)	30 x 22 x 9.5	2No No 8 x 25 screw (Ref. SFSCS30)
French Casement End Caps	Senior Architectural Systems Floating Mullion End Cap (Ref. SPW7FMEC)	63 x 69 x 28	1No No 8 x 25 screw (Ref. SFSCS30)
Locking wedges	Senior Architectural Systems Ltd plastic locking wedges (Ref. SP399121B) located at 1/3 <sup>rd</sup> intervals across the hinge edge	51 x 11.5	2No No 8 x 16 screws (Ref. SFSCS07)
Handles	Senior Architectural Systems (Ref. INLINEB, INLINEBS, INLINEW, INLINEPC, CRANKLHBS, CRANKRHBS, CRANKLHPC, CRANKRHPC, CRANKLHB, CRANKRHB, CRANKLHW or CRANKRHW) and 9mm spindle (Ref. SPIN9MM)	Minimum 115 lever length	2No. M5 x 16 machine screws (Ref. SFSCM0316)
Letter plate	Any letter plate used on a Q-Mark certified window or doorset must have evidence of compliance with TS 008:2015 security grade 2	Maximum aperture size: 260mm x 40mm.	Installation height between 400mm – 1800mm

### Fixed casement hardware

	Make/type	Size (mm)	Location (mm)
Fixings	Senior Architectural Systems (Ref. SFSCS30) screws through fixed casement profile into frame profiles	No 8 x 25	100 from all corners and at maximum

### Perimeter sealing details

	Make/type	Size (mm)	Location
Casement edges	Senior Architectural Systems (Ref. SP7146)	7.7 blade length	On rebate upstand
Frame reveal	Senior Architectural Systems (Ref. SP7146)	7.7 blade length	On rebate upstand
Seal continuity	Uninterrupted by hardware	-	-

### Glazing internal

	Make/type/size (mm)	Location (dimensions in mm)
Glass configuration	28 - 50 thick sealed units	
	All insulating glass units used within a Q-Mark certified window must: <ul style="list-style-type: none"> <li>• Be certified by an accredited Certification Body to BS EN 1279 part 2 and part 6</li> <li>• When adjacent to doorsets or using non-key locking hardware, have at least 1 pane of glass laminated to BS EN 356 class P1A or higher</li> </ul>	
Packers	Senior Architectural Systems (Ref. SPW7GP1/2) 100 x 45 x 4 plastic packers	At horizontal corners and 30 from vertical corners
	Senior Architectural Systems (Ref. SGP28x1mm) 100 x 28 x 1 plastic packers	
Gaskets	Senior Architectural Systems (Ref. SP2400) 9 wide wedge gasket	Between glazing and beading
	Senior Architectural Systems (Ref. SP2396) 10 wide glazing gasket	Between glazing and rebate upstand
Sealants	Silicone	To retain vertical beads and packers
Glazing bead	Senior Architectural Systems (Ref. SPW719F) 17.5 x 4	Internally beaded
	Senior Architectural Systems (Ref. SPW720) 16.5 x 10	
	Senior Architectural Systems (Ref. SPW721) 16.5 x 14	
	Senior Architectural Systems (Ref. SPW722) 16.5 x 18	
	Senior Architectural Systems (Ref. SPW723) 16.5 x 22	
	Senior Architectural Systems (Ref. SPW724) 16.5 x 26	
	Senior Architectural Systems (Ref. SPW725) 16.5 x 10	
	Senior Architectural Systems (Ref. SPW726) 16.5 x 14	
	Senior Architectural Systems (Ref. SPW727) 16.5 x 18	
	Senior Architectural Systems (Ref. SPW728) 16.5 x 22	
	Senior Architectural Systems (Ref. SPW729) 16.5 x 26	
	Senior Architectural Systems (Ref. SPW780) 18 x 22.5	
	Senior Architectural Systems (Ref. SPW781) 22 x 22.5	
	Senior Architectural Systems (Ref. SPW782) 26 x 22.5	
	Senior Architectural Systems (Ref. SPW783) 30 x 22.5	
Senior Architectural Systems (Ref. SPW784) 34 x 22.5		
Bead fixings	Push fitted into profile	-

## Glazing external

	Make/type/size (mm)	Location (dimensions in mm)
Glass configuration	28 - 50 thick sealed units	
	All insulating glass units used within a Q-Mark certified window must: <ul style="list-style-type: none"> <li>• Be certified by an accredited Certification Body to BS EN 1279 part 2 and part 6</li> <li>• When adjacent to doorsets or using non-key locking hardware, have at least 1 pane of glass laminated to BS EN 356 class P1A or higher</li> </ul>	
Packers	Senior Architectural Systems (Ref. SPW7GP1/2) 100 x 45 x 4 plastic packers	At horizontal corners and 30 from vertical corners
	Senior Architectural Systems (Ref. SGP28x1mm) 100 x 28 x 1 plastic packers	
Gaskets	Senior Architectural Systems (Ref. SP2400) 9 wide wedge gasket	Between glazing and beading
	Senior Architectural Systems (Ref. SP2396) 10 wide glazing gasket	Between glazing and rebate upstand
Sealants	Silicone	To retain packers only
Glazing bead	Senior Architectural Systems (Ref. SPW719F) 17.5 x 4	Externally beaded
	Senior Architectural Systems (Ref. SPW720) 16.5 x 10	
	Senior Architectural Systems (Ref. SPW721) 16.5 x 14	
	Senior Architectural Systems (Ref. SPW722) 16.5 x 18	
	Senior Architectural Systems (Ref. SPW723) 16.5 x 22	
	Senior Architectural Systems (Ref. SPW724) 16.5 x 26	
	Senior Architectural Systems (Ref. SPW725) 16.5 x 10	
	Senior Architectural Systems (Ref. SPW726) 16.5 x 14	
	Senior Architectural Systems (Ref. SPW727) 16.5 x 18	
	Senior Architectural Systems (Ref. SPW728) 16.5 x 22	
	Senior Architectural Systems (Ref. SPW729) 16.5 x 26	
	Senior Architectural Systems (Ref. SPW780) 18 x 22.5	
	Senior Architectural Systems (Ref. SPW781) 22 x 22.5	
	Senior Architectural Systems (Ref. SPW782) 26 x 22.5	
	Senior Architectural Systems (Ref. SPW783) 18 x 22.5	
Senior Architectural Systems (Ref. SPW784) 22 x 22.5		
Bead fixings	Push fitted into profile	-