

**SCOPE OF CERTIFICATION**  
**Timber Window Scheme to BS644 & PAS24:2016**

Manufacturer of Enhanced Security Windows in accordance with the Exova BM TRADA Q-Mark Scheme requirements.  
 (Check with Secured by Design to ensure compliance with any additional requirements).

<b>Allan Brothers Ltd</b> Allan House Ord Road Tweedmouth Berwick Upon Tweed TD15 2XU	<u>Production Factory:</u> <b>Inwido Production S.A.</b> 16 – 100 Sokółka ul. Lotników Lewoniewskich 1 Poland	 <p><b>This scope of certification supports</b>  <b>WGPS Certificate 026/063</b>  <b>ESW Certificate 031/058</b></p> <p>The validity of this scope document should be checked against the current schedule of the Company's certification listed on the Exova BM TRADA website <a href="http://www.exovabmtrada.com">www.exovabmtrada.com</a>.</p>	
Completed: <b>E. Watkin</b> 	Checked: <b>T. Johnson</b> 		
Issue: <b>6</b>	Date: <b>16 April 2018</b>	Details: Siegenia hinge (visible detail) updated following the recent manufacture component upgrade	
<u>Product Name:</u> <b>Sokolka IV Uni Elite 92 Range –                  Inward Opening Timber Tilt &amp; Turn Window</b>		This document remains the intellectual property of Exova BM TRADA. It shall not be made available to another person or company without the prior written permission of Exova BM TRADA.	
<b>Window Classification 'W'</b>		Test evidence is held on file by Exova BM TRADA	

**Weather Rating**

BS6375 part 1 Exposure category <b>2400</b> (on largest specimen) – Winkhaus Hardware BS6375 part 1 Exposure category <b>2000</b> (on largest specimen) – Siegenia Hardware
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**Maximum Casement Size – Winkhaus Hardware**

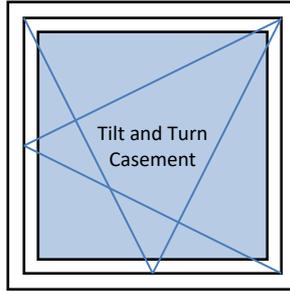
Tilt and turn (not including frame)	1432mm wide x 1579mm high
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**Maximum Casement Size – Siegenia Hardware**

Tilt and turn (not including frame)	1332mm wide x 2312mm high
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## Design Options

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



Transom and mullion joints Type A, B, C, are **not** allowed within window outer frames for this scope.

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

## Perimeter Sealing Details

	Make/type	Size (mm)	Location
Casement edges	Deventer (Ref. TPE SV103b)	6 x 15	Slotted into groove of primary rebate platform
	Deventer (Ref. TPS SP33)	8 x 4	On secondary rebate upstands
Frame reveal	None fitted	-	-
Seal continuity	Seal uninterrupted by hardware	-	-

## Window Frame

	Material/type	Dimensions (mm)	Nom. Density (Kg/m <sup>3</sup> )
Head/ Jamb/ Cill	Finger jointed Laminated Pine	92 x 83	530
Transom/ Mullion	None used		
Rebate	Triple type	82 x 18 51 x 28 27 x 38	-
Drip bar	Effector aluminium draining bar (Ref. EFTOS 36/21 W) clipped onto timber profile	45 x 54	-
Aluminium Cladding Option	Sapa ref. S1_101 – 370190 (frame head and jambs) and S1_102 – 370185 (frame bottom) Aluminium profile fixed with Effector S1_901(frame head and jambs) and S1_902 (frame bottom) plastic clips fixed with 3.5 x 25 screws (1 per clip)	-	-
Joints	Mortise and tenon, with glue on tenons and 1No. 5 x 120 screws at each corner	-	-
Adhesive	KESTKOL D4000 waterproof glue for timber EN204/D4 class	-	-

## Casement

	Material/type	Dimensions (mm)	Nom. Density (Kg/m <sup>3</sup> )
Stiles	Finger jointed Laminated Pine	92 x 80	530
Top rail	Finger jointed Laminated Pine	92 x 80	530
Bottom rail	Finger jointed Laminated Pine	92 x 80	530
	Finger jointed Laminated Pine	92 x 78	530
Rebate	Quadruple type	75 x 18 52 x 25 31 x 35 20 x 43	-
Drip bar	Effector aluminium drip cup (Ref. LPRS22Z) fixed to casement with 3No. Effector (Ref. 22Z) plastic clips fixed by 2No. 30 x 0.8 pins	28 x 16	-
Aluminium Cladding Option	Sapa ref. S1_201 - 370186 Aluminium profile fixed with Effector EF-DK2+EF-US1 plastic clips fixed with 3.5 x 25 screws (1 per clip)	-	-
Joints	Double mortise and tenon with 2No. wavy nails 30 x 12 x 2 in casement corners	-	-
Adhesive	KESTOKOL D4000 waterproof glue for timber EN 204/D4 class	-	-

## Glazing

	Make/type/size (mm)	Location (dimensions in mm)
Glass configuration	44mm thick sealed units (triple glazed)	
	All insulating glass units used within a Q-Mark certified window must: <ul style="list-style-type: none"> <li>IGU's to have accredited certification to EN 1279 parts 2 &amp; 6 <b>or</b> accredited certification to ISO 9001 with accredited EN 1279-2 ITT &amp; audit testing (MPI + fogging) <b>or</b> CE Marked to AVCP 1 with accredited EN 1279-2 ITT &amp; audit testing (MPI + fogging).</li> <li>When adjacent to doorsets or using non-key unlocking hardware, have at least 1 pane of laminated glass classified to BS EN 356 class P1A or higher</li> </ul>	
Overall size	Opening 1304 wide x 1451 high	-
Sight size	Opening 1268 wide x 1410 high	-
Packers	1No. 96 x 24 x 4 plastic packer	Nominal 150 from corners and midpoint of verticals
Gaskets	Deventer dry sealing gasket (Ref. TPE – SV3)	Between glass and glazing bead
	Stomil Sanok neoprene gasket (Ref: SD-83/4-0 DPG 8 X 3)	Between glass and rebate upstand
Sealants	Lakma Silicone (Ref. Silicone No.11)	Between glass and rebate upstand and backfilled up to 150mm from corners around glazing unit
Glazing bead	Pine 21.5 x 20	Internally beaded
Bead fixings	30 x 1 glazing pins	Nominal 50 from corners and 100 centres

## Hardware – Winkhaus Hardware

		Make/ type	Size (mm)	Fixing details (dimensions in mm)
Hinges	Top	Winkhaus Auto Pilot Face-fitted hinge	74 x 13	3No. 4 x 40 Spax screws into frame 4No. 4 x 40 Spax screws into casement
	Bottom	Winkhaus Auto Pilot Face-fitted hinge	92 x 13	3No. 4 x 40 Spax screws into frame 4No. 4 x 40 Spax screws into casement
Hinge protection		None fitted		
Locking mechanism		Winkhaus GRM WK espagnolette with mushrooms (Ref: GRM 2300/2 WK)	2300 x 16	No. 4 x 40 security screws (quantity dependent upon size)
Lock Keeps		13No. Winkhaus steel keepers (Ref. SEF-1/7/S)	18 x 93	3No. 4 x 40 security screws
		1No mushroom bolt keep in top hinge corner (Ref. SF1N)	18 x 60	3No 4 x 40 Spax screws
		1No. Winkhaus bottom lock corner Cill keep (Ref. WE12)	18 x 114	2No. 4 x 40 security screws
Handles		Hoppe F1	120 lever length	2No. M5 x 40 screws
Letter plate		<b>Not assessed</b>		

## Hardware – Siegenia (Concealed Hinges)

		Make/type	Size (mm)	Fixing details (dimensions in mm)
Hinges	Top	Siegenia (Ref. TSAV)	398 x 18	2No. 4 x 40 screws
	Bottom	Siegenia (Ref. TMEV)	217 x 18	4No. 4 x 40 screws
Hinge protection	Top	Siegenia (Ref. TRSK)	68 x 18	2No. 4 x 40 screws
	Bottom	Siegenia (Ref. TRZV)	68 x 18	2No. 4 x 40 screws
Keeps		11No. Siegenia (Ref. TGMK) <b>Number varied by size of vent but 11No. Used on max. size vent</b>	73 x 18	3No. 4 x 40 screws
		1No. Siegenia (Ref. FRKB)	118 x 18	2No. 4 x 40 screws
Locking mechanism		Siegenia (Ref. TGMK)	Max. length 2120	9No. 4 x 40 screws <b>Max. number used</b>
Handles		Hoppe New York (Ref. 0810S/U10 100NM)	138 lever length	2No. M5 x 40 screws
Letter plate		<b>Not assessed</b>		

## Hardware – Siegenia (Visible Hinges)

		Make/type	Size (mm)	Fixing details (dimensions in mm)
Hinges	Top	Siegenia (Ref. 704202 H-12/18 DH) Frame part	84 x 18	4No. 4 x 40 screws
		Siegenia TBWB Sash part	75 x 55	No screws clicked into opening arm
	Bottom	Siegenia (Ref. FBEL + TBLB0010 + 700617) Frame part	88 x 25	4No. 4 x 40 screws
		Siegenia (Ref. TBF8402) or (Ref. TBF8401) Sash part	123 x 85	7No. 4 x 40 screws
Keeps		11No. Siegenia (Ref. TRSK) <b>Number varied by size of vent but 11No. Used on max. size vent</b>	73 x 18	3No. 4 x 40 screws
		1No. Siegenia (Ref. FRKB) Bottom keep	113 x 18	2No. 4 x 40 screws
Locking mechanism		Siegenia (Ref. TGMK)	Max. length 2120	9No. 4 x 40 screws <b>Max. number used</b>
Handles		Hoppe New York (Ref. 0810S/U10 100NM)	138 lever length	2No. M5 x 40 screws
Letter plate		<b>Not assessed</b>		