




# SCOPE OF CERTIFICATION

## Aluminium Window Scheme to BS4873 & PAS24

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

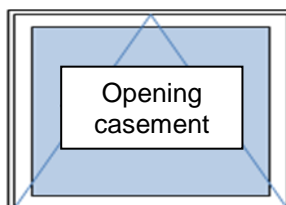
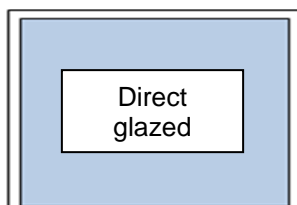
<b>Hansen Group Ltd</b> Greengate Industrial Estate Greenside Way Middleton Manchester M24 1SW	Manufacture Site: <b>Hansen Facades</b> Rudna Mala 47 36-060 Glogow Malopolski Poland	  <b>This scope of certification supports</b> <b>WGPS Certificate 026/143</b> <b>ESW Certificate 031/136</b>  The validity of this scope document should be checked against the current schedule of the Company's certification listed on the BM TRADA website <a href="http://www.bmtradagroup.com">www.bmtradagroup.com</a> .
Completed: <b>E. Watkin</b>  	Checked: <b>M. Chorlton</b>  	
Issue: <b>1</b>	Date: <b>23 October 2014</b>	Details: First issue of scope.
<u>Product Name:</u>  <b>Hansen Millennium Range –</b>  <b>Inward Opening, Aluminium Tilt Turn Window</b>		<u>Test Reports:</u> <i>(Refer to test reports for full specifications of the products initially type tested)</i>  <b>BS6375 Pt1:</b> Winkhaus: TR1419/C <b>BS6375 Pt2:</b> Winkhaus: TR1419/D <b>EN 1191:</b> BMT: MTP/F14173/02 <b>BS6375 Pt3:</b> TBC <b>PAS 24:</b> Winkhaus: TR1419/A

### Window classification

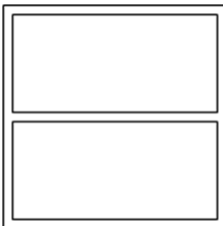
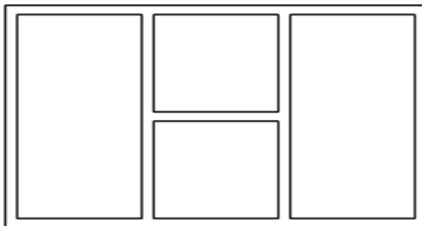

<b>W K</b>	<ul style="list-style-type: none"> <li>• Locking mechanism with a removable key on the inside</li> </ul>
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### Design options

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



Transom and mullion joints Type A, B, C, are only 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 **2000** (on largest specimen)

**Maximum casement size**

Tilt and turn (not including frame)	1091mm wide x 2194mm high
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**Casement /sash**

	Material/type	Dimensions (mm)
Stiles and rails	Hansen profile 42 (Ref. 423153)	40 x 42
Rebate	Single type	40 x 18
Joints	(Mitred and glued) Per Joint 1No. SAPA (Ref. 183871) cleat, 1No. SAPA (Ref. 183971) cleat 1No. SAPA (Ref. 180081) chevron	-
Adhesive	Kent Quick-seal QS-b/Rotabond 2000	-

**Window frame**

	Material/type	Dimensions (mm)
Stiles and rails	Hansen profile 42 (Ref. 421113)	75 x 28
Transom/ Mullion	Hansen profile 42 (Ref. 422083)	75 x 44
Rebate	Single type	58 x 32
Joints	<u>Frame</u> (Mitred and glued). Per Joint 2No. SAPA (Ref. 182311) chevrons 2No. 4.8 x 32mm screws (Ref. 95651) <u>Transom/Mullion</u> Per joint 2No. 4.8 x 32mm screws (Ref. 95651)	-
Adhesive	Kent Quick-seal QS-b/Rotabond 2000	-

**Glazing**

	Make/type/size (mm)	Location (dimensions in mm)
Glass type & configuration	28 thick insulating glass unit (double glazed) Tested Configuration: 8 glass, 12 spacer, 8 glass	Note: If non-locking handle is used then at least 1 pane of glass must be laminated to BS EN 356 class P1A
Overall size - Sash	1032 wide x 2132 high	-
Overall size - Fixed	470 wide x 2170 high	
Sight size - Sash	1008 wide x 2108 high	-
Sight - Fixed	446 wide x 2146 high	
Packers	None present	-
Gaskets	<u>Internal</u> Dow corning 895	Around perimeter edge of glazing unit
	<u>External</u> Primo a/s (Ref. 161101)	Between glazing and rebate upstand
Sealants	None present	-
Glazing bead	Glazing bonded directly to casement (No beading)	-
Bonding	Glazing is bonded to casement using Norton PUR-Foam strip (Ref. V-2100)	-

## Perimeter sealing details

	Make/type	Size (mm)	Location
Casement edges	Primo a/s (Ref. 160171)	7 blade length	On rebate upstand
Frame reveal	Primo a/s (Ref. 160363) & Lynddahl a/s (Ref. 161271)	13 blade length	On rebate platform
Seal continuity	Uninterrupted by hardware	-	-

## Hardware

	Make/type	Size (mm)	Fixing details (dimensions in mm)
Hinged locking mechanism	Winkhaus GmbH activPilot select <u>Sash</u> FL.SE Code: 38561 FLS.SE Code: 38551 VAK 450-1 Code: 60078 MK500 Code: 39261 – 2off MK PA250 Code: 60077 E1 Code: 39101 OS.V-OS.VV 1250-1, FFB 1000-12510 V1: Code: 32951 E2 Code: 32651 – 2off Failsafe Code: 60079 GAM 2300 D7.5 FFH 1800-2300 Code: 39421 MK250 Code: 39251 VAK 450-1 Code: 60078 <u>Frame</u> Top Hinge Code: 60065 Bottom Hinge Code: 60067 Restrictor Code: 38601	16 wide	<u>Sash Components</u> 3.9 x 22 self tapping screws  <u>Frame Components</u> 3.9 x 13 self tapping screws
Keeps	Winkhaus GmbH activPilot select Single Mushroom Keeps (Ref. 60075) Double Mushroom Keep (Ref. 60073) Tilt Keep (Ref. 60074)	80 x 18  80 x 18  300 x 18	2No. M4 x 25 machine screws  3No. M4 x 25 machine screws  2No. M4 x 25 machine screws
Handles	FKS OKUCIA I DRZWIOWE Sp. Z o.o. (Ref. 1003 A) <b>Locking handle with removable key</b>	110 lever length	2No. M5 x 30 machine screws
Letter plate	<b>Not allowed</b>		