

# Scope of Certification

Scope Reference:		<b>GPW+ESW-0337</b>
Certificate Number (s):		<b>TGPW-016</b> <b>TESW-016</b>
Company:		<b>NorDan UK Ltd.</b>
Manufacturing Address:		NorDan Sp. z O.O. Ul. Fabryczna 16a 64-200 Wolsztyn
Scheme(s):		<b>General Performance Window - BS 644:2012</b> <b>Enhanced Security Window - PAS 24:2016</b>
Product Name:		<b>ZS Aluminium Clad Timber Casement Window.</b>
Product Type:		Inward opening Side Hung timber casement window, with aluminium cladding.
System and Suite:		NTech
Internal Locking Method:		<b>Removable key on the inside</b>
Weather Rating		<b>Exposure category: 1200</b>
Material Type		North European finger jointed Redwood nominal density (460kg.m <sup>-3</sup> )
Jointing Method:	Frame:	Mortice and tenon with D4 PVAc adhesive also with 2.4 x 2.6mm aluminium staple (Ref.Staple 562)
	Coupled Transom / Mullion	6x70mm Torx 30 Coupling screws fixed at minimum 100mm from the profile ends and at (nominal) 600mm centres. Coupled joint sealed with 2No 'E' profile gaskets (Ref. 050018)
	Casement:	Mortice and Tenon with D4 PVAc adhesive also 1No. 1.8x44mm nail
Permitted Styles:		Turn before tilt
Permitted frame profiles:	Head:	105x68mm
	Jambs:	105x57mm
	Sill:	105x55mm
	Coupled Mullion:	2No. (Ref. 990-15-001), joint capped either with timber profile (Ref.928) push fitted into grooves in profile, or with timber profile (Ref.923) clipped onto 147mm long aluminium T profile (Ref. RAS310). Timber profiles fixed using Soudal adhesive-sealant (Ref. Fix-All). Aluminium profile sections are spaced at nominal 500mm centres and fitted using 6No 35mm steel pins (3No. per side).
	Coupled Transom:	2No. (Ref. 990-15-002), joint capped internally either with timber profile (Ref.928) push fitted into grooves in profile, or with timber profile (Ref.923) clipped onto 147mm long

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		aluminium T profile (Ref. RAS310). Timber profiles fixed using Soudal adhesive-sealant (Ref. Fix-All). Aluminium profile sections are spaced at nominal 500mm centres and fitted using 6No 35mm steel pins (3No. per side). External capping is achieved using Aluminium weather profile (Ref.RAS374) inserted into joint.
Aluminium outer cladding system to Frame	Head:	Aluminium section (Ref. RAS 290)
	Jambs:	Aluminium section (Ref. RAS 396)
	Sill:	Aluminium section (Ref. RAS 399)
	Coupled Mullion:	Aluminium T section (Ref. RAS255) pushed into gap between cladding profiles and coupled timber section
	Coupled Transom:	Aluminium weather profile section (Ref.RAS471) inserted into joint in coupled timber section.
Cladding Fixings	Head and Jambs:	Aluminium clips (Ref.372461) fitted at nominal 65mm from corners and 250mm centres, each fixed with 1No. nails (Ref. S25SDP-WH)
	Sill:	Aluminium clips (Ref.372460) fitted using 1No. nails (Ref. S25SDP-WH) 120mm from ends and at 250mm centres
Permitted casement profiles	Rails:	80x62mm
	Stiles:	80x62mm
Max. Overall Size (mm):		1230mm x 1480mm
Max. Casement Size (mm):		1166mm wide x 1398mm high
Locking Tilt-turn System:		<p>ROTO NT Designo II 13 point locking system, includes:</p> <p>Sash Corner drive (Top and Bottom, handle side)(Ref.260274) fitted to sash with 3.8x 33mm Torx screws</p> <p>Sash corner drive: (Top, hinge side)(Ref. 260286) fitted to sash with 3.8x 33mm Torx screws</p> <p>Sash SEC centre lock 200, 1V connect (Ref.337708) fitted to sash with 3.8x 33mm Torx screws</p> <p>Sash SEC centre lock 400, 1V connect (Ref.337710) fitted to sash with 3.8x 33mm Torx screws</p> <p>Sash SEC centre lock 600, 1V connect (Ref.307030) fitted to sash with 3.8x 33mm Torx screws</p>
Lock Keeps:		<p>12No. Roto keep (Ref. 262930) fitted using 2No 3.8x28mm Torx screws</p> <p>1No. Roto keep for turn first position (Ref. 262297) fitted using 2No 3.8x28mm Torx screws</p> <p>1No Roto lifting mishandling device (Ref.261947) fitted to frame using 2No screws with (Ref.360538) fitted to sash with 3.8x 33mm Torx screws and to Frame using 3.8x28mm Torx screws</p>
Hinges:	Top, frame stay arm	<p>Depending on sash, size stay may be 250, 350 or 500mm as follows:</p> <p>250 sash stay (Ref. 563728 R/H or 563732 L/H)</p> <p>350 sash stay (Ref. 563729 R/H or 563733 L/H)</p> <p>500 sash stay (Ref.563730 R/H or 563734 L/H) all fitted to Frame using 3.8x28mm Torx screws</p>


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	Top, frame stay guide:	(Ref. 385393, 385394, 450373, 450374 depending on sash size) fitted to sash with 3.8x 33mm Torx screws
	Top, Sash corner drive:	(Ref. 260286) fitted to sash with 3.8x 33mm Torx screws
	Bottom Frame Pivot rest:	(Ref. 563736) fitted to Frame using 3.8x28mm Torx screws
	Bottom Sash Corner hinge:	(Ref. 634705) fitted to sash with 3.8x 33mm Torx screws
Hinge Protection:		N/A
Handles:		Hoppe Tokyo F1 locking tilt/turn handle (Ref.05105/U26TBT1) complete with KISI2 child safety device
Cylinder (if applicable):		Integral to handle.
Other Hardware (dog bolts, cleats, riser blocks etc.):		Assa Abloy ventilation stay (Ref.FIX92)
IGU Configuration:		33.5mm IGU (Double glazed) 49.5mm IGU (Triple glazed)
Glass Type:		When adjacent to door sets or using non-key locking hardware, must have at least 1 pane of glass laminated to BS EN 356 class P1A or higher.
Glazing Orientation:		External
Sealants:		Soudal (Ref. Fix All High Tack) adhesive sealant applied between glass and casement
Beads:		Aluminium RAS349 (Ref. 033496000)
Glazing Tape:		None
Glazing Gasket:		EDPM (Ref. P-0687A)
Glazing Packers:		Plastic blocks, 70 x (51,46,34,32,26) x 5mm at nominal 50-100mm from corners
Perimeter Sealing:	Frame Reveal:	None
	Casement edges:	Schlegel Q-Lon gasket (Ref.QL3082) fitted to the external edges of the casement
<b>Test Reports:</b>		
BS 6375-1:		RISE: 7P02675-1
BS 6375-2:		BBA: T961491
BS 6375-3:		
PAS 24:		RISE: 8P00890B UL: R4790096097-2
Cylinders (BS EN 1303:2005):		
Letter Plates (TS 008:2015):		
Date Of Last Audit:		

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**Scope Author:** David Payne  
**Signature:**   
**Date:** 24<sup>th</sup> January 2022

**Authorised by:** Simon Beer  
**Signature:**   
**Date:** 20<sup>th</sup> September 2022

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