

Russell Timber Technology NBS Data Sheet

Opus Top-Swing Alu-Clad Window

Technical Specifications

RTT Product Code	HTSO-AG	
Performance	Chilt/P10002/01/A	BS 6375:1, 2 & 3
Air Permeability	600 Pa (Class 4)	BS EN 12207:2000
Water Tightness	1050 Pa (Class E1050)	BS EN 12208:2000
Wind Resistance	2000 Pa (Class A5)	BS EN 12210:2000
Exposure Category	2000	BS 6375:Part1:2009
Resistance To Racking	Class 3	BS EN 13115:2001
Resistance To Static Torsion	Class 3	BS EN 13115:2001
Repeated Opening	10,000 cycles (Class 2)	BS EN 13115:2001
Load On Safety Device	No Damage	EN 14609:2004
Operating Forces	Class 1	BS EN 13115:2001
Security	BS 7950	Secured By Design Licensed
Whole Window U-value	1.4 to 0.8 W/m ² K	
Anticipated Life Expectancy	60 years with regular maintenance	
Security	Tested to the requirements of BS 7950 and Secured By Design	

Secured by Design



Police Preferred Specification



The mark of responsible forestry



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Acoustic Attenuation	Rw 29dB minimum standard to 45bd				
Operation	The window shall be fully reversible to facilitate safe cleaning of the outer face from within the building				
Timber Species	Laminated North European Redwood, to class 2 and in accordance with BS 1186 Part 1, sourced from managed forests with FSC or PEFC Chain of Custody accreditation. All scantlings meets the standards PN-EN 13 330-1. Impregnation system meets standards EN 152-1, BS EN 335-1				
Moisture Content	12% ± 2% on delivery				
Aluminium Profile	SAPA extruded aluminium profile to EN 755-9 – Mounted on cladding clips to ensure full ventilation and drainage				
Glazing	<p>Drained and ventilated dry glazed system.</p> <p>The windows to be factory fitted with 24mm thick sealed double glazing units. Glazing unit to be compliant with EN1279. Composition of glass unit is to be (from outside): 4mm float - 16mm argon filled cavity - 4mm float glass with super low-E coating. Other glazing combinations including insulated panels are available on request up to 36mm</p>				
Ironmongery	Single handled system top-swing fully-reversible with an integral restrictor within the Spilka Opus hinge of each opening sash restricting initial opening to less than 100mm. Restrictor manually disengaged to permit window to rotate 180° to allow safe cleaning of glass. Hoppe locking or non-locking handles				
Cills	<table><tr><td>Aluminium Extensions</td><td>77mm, 98mm, 114mm, 157mm and 186mm</td></tr><tr><td>Timber Extensions</td><td>46mm, 63mm and 93mm</td></tr></table>	Aluminium Extensions	77mm, 98mm, 114mm, 157mm and 186mm	Timber Extensions	46mm, 63mm and 93mm
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Ventilator	Windows can be fitted with an adjustable, draught proof ventilator providing specified equivalent area on request. Located in either the sash or the frame				
Finish As Delivered	Windows supplied factory finished, externally and internally with Teknos Water-based micro porous opaque to specified RAL colour, or stained finish: Aqua prime 1410, Aqua mid 5200, Aquatop 2600				
Fixing	Installation to be carried out using best building practices and in conjunction with recommendations of Russell Timber Technology				
Warranty	Frame, ironmongery and sealed glazing units: Twelve years (subject to manufacturer's standard installation and maintenance procedures)				