

Russell Timber Technology NBS Data Sheet

Inward Opening Tilt & Turn Alu-Clad Window

Technical Specifications

RTT Product Code	TTKAL-TTA	
Performance	Chilt/P13112/02	BS 6375:1, 2 & 3 & PAS23
Air Permeability	600 Pa (Class 4)	BS EN 12207:2000
Water Tightness	1050 Pa (Class 9A)	BS EN 12208:2000
Wind Resistance	2400 Pa (Class CE2400)	BS EN 12210:2000
Exposure Category	2400 Pa	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	Pass	EN 14609:2004
Operating Forces	Class 1	BS EN 13115:2001
Security	PAS24:2013 Pass	Secured By Design Licensed
Whole Window U-value	0.75 W/m ² K	
Anticipated Life Expectancy	60 years with regular maintenance	
Security	Tested to the requirements of PAS24:2012 and Secured By Design	

Secured by Design



Police Preferred Specification



The mark of responsible forestry



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Acoustic Attenuation	Rw 31dB minimum standard to 54bd
Operation	The window shall tilt in for ventilation and turn in for safe and easy cleaning, emergency egress and rapid ventilation
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 48mm thick sealed double or triple glazing units. Glazing unit to be compliant with EN1279. Composition of glass unit is to be (from outside): 4mm float - 18mm argon filled cavity - 4mm float glass with super low-E coating - 18mm argon filled cavity - 4mm float glass with super low-E coating. Other glazing combinations including insulated panels are available on request up to 48mm</p>
Ironmongery	Single handled Tilt & Turn Roto Royal Hinged locking mechanism, with concealed hinges. Hoppe locking or non-locking handles
Cills	Aluminium Extensions 77mm, 98mm, 114mm, 157mm and 186mm
Ventilator	Windows can be fitted with an adjustable, draught proof ventilator providing specified equivalent area on request. Located in 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)