

Windows - outward opening

Issued to

Elitfönster AB

Box 153, SE-574 22 Vetlanda, Sweden

Manufacturing plants

Inwido Sverige AB, Vetlanda 1, Sweden

Inwido Sverige AB, Lenhovda, Sweden

Product

Outward opening and fixed timber windows with external cladding of aluminium and triple glazed:

- Top-swing window, up to 2000 mm wide x 1600 mm high
- Side-hung single window up to 1100 mm wide x 1600 mm high and double sash window, up to 1500 mm wide x 1600 mm high
- Top-hung window, up to 1200 mm wide x 800 mm high
- Fixed window, up to 3500 mm x 3500 mm
- Side-hung single sash balcony window, up to 1080 mm wide x 2280 mm high
- Combinations (multilight) of above up to 1880 mm x 1880 mm

Details of the products are listed in the appendix.

Product name

Elitfönster

Certificate

The products meet the requirements for class W in accordance to PAS 24:2016 and RISE certification rules SPCR 187 dated 2017-11-21. The verified characteristics are the following:

Weather-tightness: Exposure category 1200 in accordance to BS 6375-1:2015+A1:2016

Operating forces: Class 1 in accordance to BS EN 13115:2001

Resistance to static torsion: Class 3 in accordance to BS EN 13115:2001

Racking: Class 3 in accordance to BS EN 13115:2001

Load-bearing capacity of safety devices: Pass

Impact resistance: Class 0 in accordance to BS EN 13049:2003

Resistance to repeated opening and closing: Class 2 in accordance to BS EN 12400:2002

Thermal transmittance, U-value: Top-swing window 1.2 W/m²K, side-hung window 1.2 W/m²K, side-hung balcony window 1.1 W/m²K and fixed window 1.1 W/m²K in accordance to BS EN ISO 10077-2:2012

The products also meet other relevant requirements in BS 6375-1:2015+A1:2016, BS 6375-2:2009, BS 6375-3:2009+A1:2013 and BS 644:2012.

Certificate No. SC0079-14 | issue 2 | 2020-03-17

RISE Research Institutes of Sweden AB | Certification
Box 857, SE-501 15 Borås, Sverige
Tel: +46 10-516 50 00
certifiering@ri.se | www.ri.se

2017-08-18



2P01604

This document may not be reproduced other than in full, except with the prior written approval by RISE Certification.



Marking

Marking of the door shall show name or trademark of the manufacturer, certification body, product name, certificate number, classification, reference to PAS 24:2016 and date of manufacture.

Basis for certificate

Report no. 3P05338C from RISE (combination)
Report no. 3P05338A from RISE (side-hung double sash window)
Report no. 7P04035 from RISE (single sash balcony window)

Validity

Valid through 2022-11-08.

Miscellaneous

The manufacturer's in-house inspection is under surveillance by RISE in accordance with section 6 of SPCR 187. This certificate replaces the certificate with the same number dated 2017-11-09.

Martin Tillander

Appendix - Product description

Frame: Wooden frame with external aluminium cladding

Sash: Wooden sash with external aluminium cladding

Perimeter sealing details	Type	Size (mm)	Location
Edges	EPDM	7.5	On rebate upstand on frame
Seal continuity	Seal interrupted on frame	-	-

Glazing	Type	Location
Glass type and configuration	Triple glass, one glass of min 8.76 mm laminated according to BS EN 356 class P1A.	-
Maximum unit size	3419 mmx3419 mm (fixed window)	-
Maximum sight size	3393 mm x3393 mm (fixed window)	-
Retaining bead	19 mm x 66 mm of wood	
Glazing clips	Plastic clips	Mounted on the external side of the sash/frame
Bead fixing	Adhesive EPDM list	Mounted on the retaining bead
Sealants	EPDM	Glazing rebate
Sealant rebate	Sika WT40	Glazing bead
Glazing securing blocks	5 mm plastic blocks	Fixed in the rebate between glass and frame/sash

Hardware	Type/positions	Size (mm)	Fixing details (dimensions in mm)
Hinges	Metallkompaniet 4228	50 x 110	Fixed with 4 pcs M6x35 MFT 8,8 FZB in reinforcement patch on the back of the frame
Locking mechanism	Assa S4152, 4453 Assa S2120	Adopted to the height of sash	11No. 3.5 x 35 mm screws and 2No. 3.5 x 45mm screws
Keeps	Assa C888 and Assa C887	50 x 70	Fixed with 2 pcs M6x35 MFT 8,8 FZB in reinforcement patch on the back of the frame

Hardware	Type/positions	Size (mm)	Fixing details (dimensions in mm)
Handles	Hoppe BPK 4	120 lever	Fixed with 3 pcs M5 x 100 in a reinforcement patch
Cylinder	D12 Assa oval Hoppe 0744S/U34 (BPK30) 100 Nm	40mm	Fixed with 2No. M3 x 30 mm screws in through lock in handle
Top-swing hardware	Steelform Vridbeslag E3	Adopted to the height of sash	6No. 4,5 x 20 mm screws
Top-swing top fittings	Steelform Toppbeslag T1	66 x 74	Fitted on the top corners of the sash with 6No. 4,5 x 30 screws
Top-swing locking mechanism	Steelform Spanjolett	Adopted to the width of sash	2No. 4,2 x 70/25 mm screws through handle, and guiding plates fixed with 4No. 4,5 x 30 mm screws
Top-swing keeps	Steelform Slutbleck E1	25 x 70	Fixed in lower part of sides of frame with 2No. 4,0 x 40 mm screws in reinforce screw-nuts on the back of the frame
Top-swing handles	Hoppe BPK 30	120 lever	2No. 4,2 x 70/25 mm screws through locking mechanism