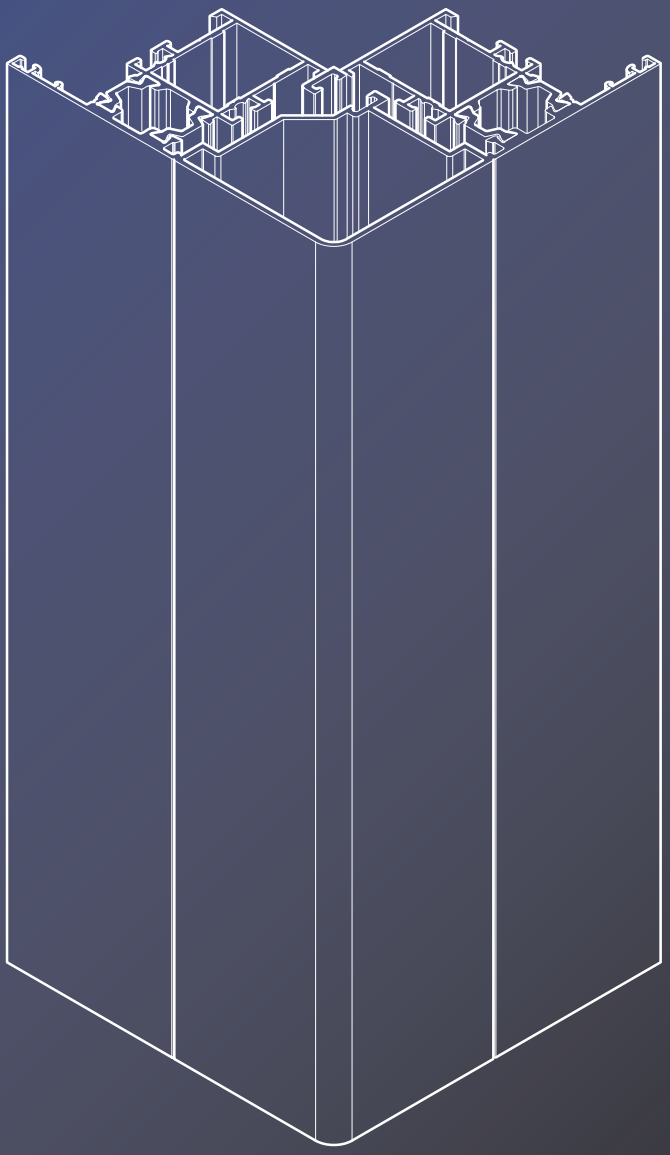


Technical information

SPW300 tilt/turn window system

Hepworth Framework in Partnership with SENIOR **ALUMINIUM** SYSTEMS™

Scope

The SPW300 tilt/turn window has been designed to meet current building regulations. This is a 51mm thermally broken polyamide window system that achieves good thermal U-values. It is capable of accepting a variety of glazing.

Materials

- All aluminium sections ar
- Polyamide thermal barriers are manufactured in accordance with PA66 GF25.
- Gaskets are manufactured in accordance with BS3734.

Finishes

SPW300 tilt/turn windows sections are available typically in 3 finishes.

- Polyester Powder Coating to BS EN 12206: 2004 Part 1 - painted in house in single or dual colour and surface finish at 40 microns standard, or enhanced to 60 microns for marine environments, in accordance with ISO9001, ISO14001 and ISO18001.
- Anodised and Anolok finishes are to BS3897: 1991 to a minimum of 25 microns (AA25), supplied in either satin or polished finish in a limited range of colours.

Construction

SPW300 is constructed using mitred corners, joined with crimped or mechanical cleats; alignment chevrons assist in clean, accurate mitres. Integral transoms and mullions are scribed around the outer frames and fixed with either screw ports or shear blocks. A proprietary sealant is used on all metal joints in line with good practice. Opening window frames are designed to be inserted into outer frames using specialist gearing.

Weather Rating

BS6375 Part 1

Air Permeability	600 Pa / Class C
Water Tightness	600 Pa
Wind Resistance	2400 Pa

Typical* sizes

	Width (mm)		Height (mm)
Tilt/Turn	1500	x	1500
Tilt/Turn Heavy Duty	1500	x	2200*

*For guidance only

Glazing

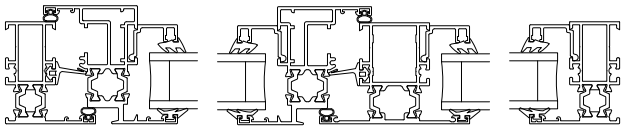
Thickness	4mm	to	32mm

Average U values

	1200 x 1200	1500 x 1500
Fixed	1.61W/m^{2}K	1.53W/m^{2}K
Vent	1.86W/m^{2}K	1.74W/m^{2}K

Security

Tested to BS7950, security hardware required



Environmental

Senior Architectural Systems is fully compliant with BS EN ISO19001, BS EN ISO 14001 and OHSAS 18001 Standards.

SPW300 when used on projects involved in a BREEAM assessment, or within the Code for a Sustainable Built Environment and the Code for Sustainable Homes (which therefore involves the Green Guide to specification) can offer significant benefits. For project specific assistance, please contact our specification team.

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