

Technical information

# SPW300 tilt/turn window system



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 are extruded using Aluminium Alloy 6060 or 6063 T6 to BS EN 755 part 9 2008.
- 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.
- Mill finish.

## 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 - when exceeded please consult our technical department. Due regard should be given to the maximum recommended sizes, as published by the hardware manufacturers

## Glazing

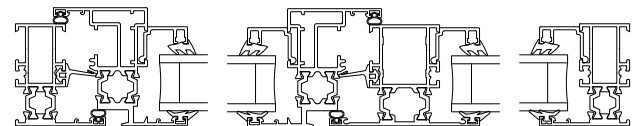
Thickness	4mm	to	32mm
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## Average U values

	1200 x 1200	1500 x 1500
Fixed	1.61W/m <sup>2</sup> K	1.53W/m <sup>2</sup> K
Vent	1.86W/m <sup>2</sup> K	1.74W/m <sup>2</sup> 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.

**Specification. Please contact our national team of architectural advisors for advice on product suitability, calculations and NBS or bespoke specifications.**