

Technical information

SPW300 casement window system



SENIOR **ALUMINIUM** SYSTEMS™

Scope

The SPW300 casement 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 casement 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 the outer frames using butt hinges or friction stays.

Weather Rating

BS6375 Part 1

| | |
|------------------|---------|
| Air Permeability | 600 Pa |
| Water Tightness | 600 Pa |
| Wind Resistance | 2000 Pa |

Typical* sizes

| | Width (mm) | | Height (mm) |
|--------------------|------------|---|-------------|
| Top Hung Open Out | 1500 | x | 1500 |
| Side Hung Open Out | 900 | x | 1500 |

*For guidance only - when exceeded please consult our technical department.

Glazing

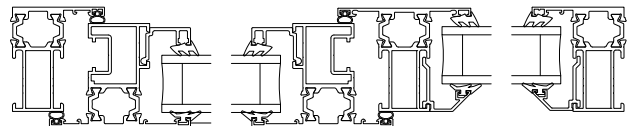
| | | | |
|-----------|-----|----|------|
| Thickness | 4mm | to | 32mm |
|-----------|-----|----|------|

Average U values

Differing window + glass configurations produce differing U-values - please consult our technical department.

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.