



# SPW600 AOV Window System

## Technical Datasheet

### Scope

The SPW600 AOV window system has been designed to meet current building regulations. This is a three chamber 75mm polyamide window system with the option for easy thermal inserts to improve thermal performance. It is capable of accepting glazing up to 56mm thick.

### Materials

- Extruded aluminium is generally Aluminium Alloy 6060.T6/T66, 6063.T6/T66, 6082.T6 to BS EN 755-9 and EN 12020-2.
- Polyamide thermal barriers are manufactured in accordance with PA66 GF25.
- The Gasketry is generally manufactured in accordance with BS ISO 3302-1.
- The fixings are generally A2 Stainless Steel screws.

### Finishes

SPW600 AOV window sections are available typically in three finishes.

- Polyester Powder Coating to BS EN 12206-1 Part 1 painted in house. Surface finished to a minimum of 40 microns standard, or enhanced to suit project requirements, in accordance with ISO 9001, ISO 14001 and ISO 45001.
- Anodised finishes are to BS3897 to a minimum of 25 microns (AA25), supplied in either satin or polished finish in a limited range of colours.
- Mill Finish.

### Construction

SPW600 AOV 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.

### Environmental

Senior Architectural Systems is fully compliant with BS EN ISO 9001, BS EN ISO 14001, ISO 45001 and BES6001 standards. When used on projects involved in a BREEAM assessment, or within the Code for a Sustainable Built Environment, (which therefore involves the Green Guide specification) can offer significant benefits. For project specific assistance, please contact our specification team.



\*Image for indicative purposes only

Typical Sizes	Width (mm)	Height (mm)
Top Hung	2500	1200
Side Hung	1200	2500
Bottom Hung	2500	1200

#### \*Average U-values

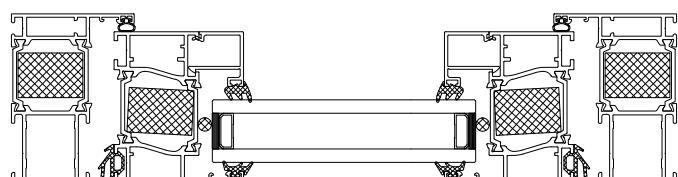
Commercial CEN standard (Double Glazed)	1.4 W/m <sup>2</sup> K
Commercial CEN standard (Triple Glazed)	1.0 W/m <sup>2</sup> K

#### Testing

BS6375 -1	Air Permeability 600Pa
	Water tightness 600Pa
	Wind Resistance 2400Pa

\*All calculations are based on CEN sized windows at 1230mm x 1480mm.

Test certifications available upon request.



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