



SPW300 Casement Window System

Technical Datasheet

Scope

The SPW300 Casement window is a 51mm thermally broken polyamide window system that achieves good U-values. It has a slim sightline and is capable of accepting a variety of glazing thicknesses.

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

SPW300 Casement 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

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 friction stays or butt hinges.

Environmental

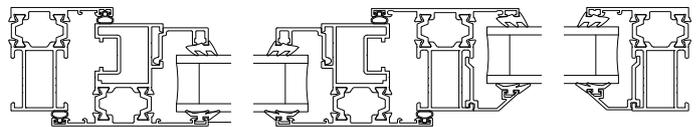
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**Image for indicative purposes only*

Typical Sizes	Width (mm)	Height (mm)
Top Hung Open Out	1500	1500
Side Hung Open Out	900	1500
Average U-values		
Residential CEN standard (Double Glazed)	U-values are calculated on a project specific basis. Please contact your Technical Sales Manager or Architectural Advisor for more information.	
Residential CEN standard (Triple Glazed)		
Commercial CEN standard (Double Glazed)		
Commercial CEN standard (Triple Glazed)		
Glazing		
Thickness	4mm - 32mm	
Testing		
BS6375 - 1	Air Permeability 600Pa	
	Water Tightness 600Pa	
	Wind Resistance 2000Pa	
BS6375 - 2	✓	
BS6375 - 3	✓	

Test certifications available upon request.



Senior Architectural Systems Ltd, Eland Road, Denaby Main, Doncaster, South Yorkshire, DN12 4HA.
Tel: 01709 772 600 E-mail: info@sasmail.co.uk www.seniorarchitectural.co.uk

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