



# SPW501 Thermally Broken Screening & Door System

## Technical Datasheet

### Scope

The SPW501 system is designed as a high usage commercial door and framing solution capable of being Manufactured double, and emergency door types and utilising low thresholds and a variety of options such as radius anti-finger trap stiles. It is a thermally broken polyamide system, capable of accepting glazing up to 28mm 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 PA66 GF.25 and Senior Architectural Systems Polyurethane.
- The Gasketry is generally manufactured in accordance with BS ISO 3302-1.
- The fixings are generally A2 Stainless Steel screws.

### Finishes

SPW501 framing 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

SPW501 is constructed with square cut components, mechanically jointed using self tapping screws into special cleats, and torsion bars are used for compressive strength. A proprietary sealant is used on all metal joints in line with good practice.

### 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

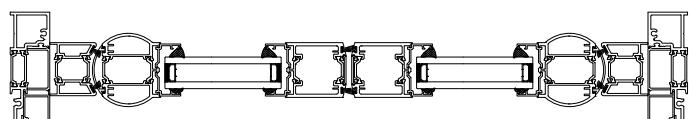
#### Standard

Max door leaf width	1100mm (PAS24 Compliant) 1150mm (Not PAS24 Compliant)
Max door leaf height	2400mm
<b>Panic Doors</b>	
Max door leaf width	1100mm
Max door leaf height	2200mm
<b>*Average U-values</b>	
CEN standard (Double Glazed)	1.9 W/m <sup>2</sup> K
<b>Glazing</b>	
Thickness	28mm
<b>Testing</b>	
Security	PAS24 & SBD
**BS6375 -1	✓
BS6375 - 2	✓

\*All calculations are based on CEN sized single doors 1230mm x 2180mm ±25% and double door 2000mm x 2180mm ±25%.

\*\*Results may vary based on specification. Further details are available upon request.

Test certifications available upon request.



### Secured by Design



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

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