

Technical information

SPW500 thermally broken screening and door system



SENIOR **ALUMINIUM** SYSTEMS™

Scope

The SPW500 system has been designed to provide a high performance commercial door and framing solution capable of being manufactured in single, 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 framing system, capable of accepting glazing up to 28mm thick depending on weight.

Materials

- All aluminium sections are extruded using Aluminium Alloy
- Polyamide thermal barriers are manufactured in accordance with PA66 GF25.
- Gaskets are manufactured in accordance with BS3734.

Finishes

SPW500 framing 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

SPW500 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.

Automation solutions are also available.

Weather Rating
Differing door configurations produce different ratings.
Please consult our technical department.

Typical* sizes

	Width (mm)		Height (mm)
Single Door	1150	x	2300
Double Door	2300	x	2300

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

Glazing

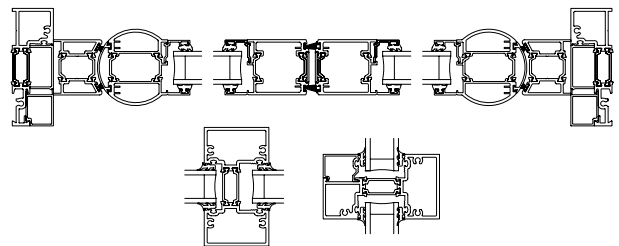
Thickness	28mm
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Average U values (door) -

	Single	Double
Fully glazed	1.64W/m ² K	1.63W/m ² K
With mid rail	1.72W/m ² K	1.72W/m ² K

Security

PAS23/24, security hardware required (single door), security hardware required



Environmental

Senior Architectural Systems is fully compliant with BS EN ISO19001, BS EN ISO 14001 and OHSAS 18001 Standards.

SPW500 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.