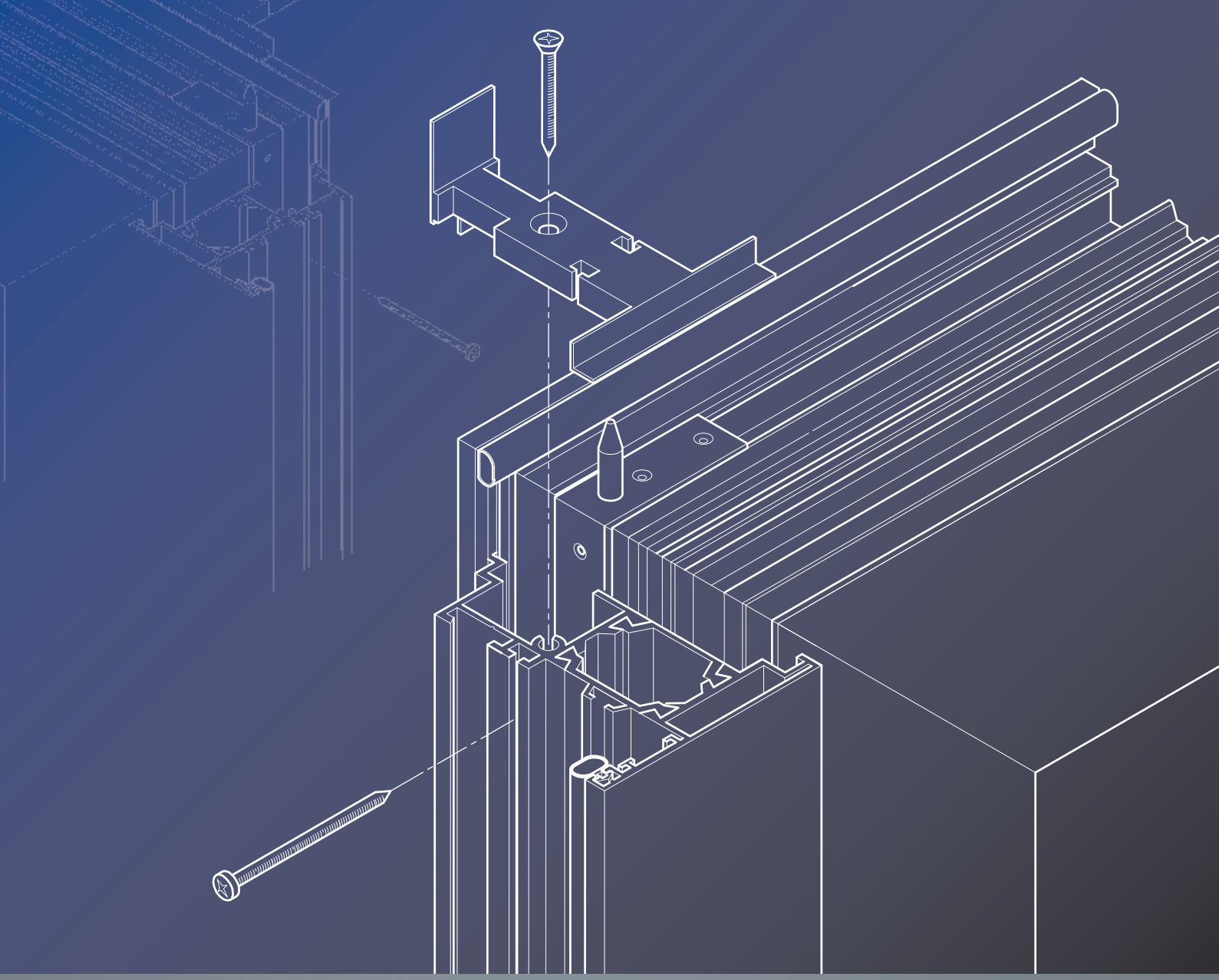


Technical information

SPW600/e entrance door system

SENIOR **ALUMINIUM** SYSTEMS™

Scope

The SPW600 and SPW600e door has been designed to provide an enhanced performance door capable of being manufactured in single, double, inward or outward opening and utilising low thresholds producing a variety of options to suit most applications. It is a 75mm thermally broken polyamide door system achieving improved thermal performance. They can accept glazing up to 56mm thick depending on weight.

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

SPW600 door 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

The SPW600 and SPW600e door 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 door frames are designed to be inserted directly into the outer frames using face mounted hinges and hook looks.

Weather Rating

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

Max Door Sizes

	Width (mm)		Height (mm)
Single Door	1000	x	2400
Double Door	2000	x	2400

Min Sash Height Using 3 Point Lock	1756mm
Min Sash Height Using Shoot Bolts	2056mm
Max Sash Height Using Shoot Bolts	2247mm
Max Weight Per Door Leaf	75kgs

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

Glazing

Thickness	28mm	to	56mm

Average U values

SPW600

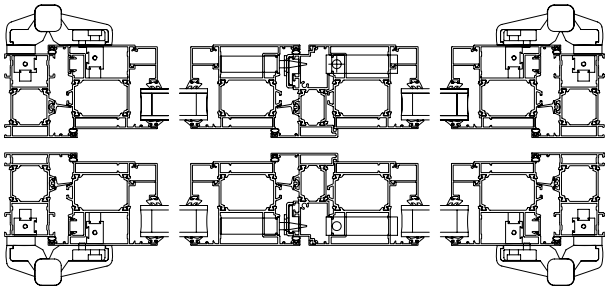
	Single	Double
O/I	1.93W/m^{2}K	1.86W/m^{2}K
O/O	1.92W/m^{2}K	1.87W/m^{2}K

SPW600e

	Single	Double
O/I	1.55W/m^{2}K	1.53W/m^{2}K
O/O	1.66W/m^{2}K	1.64W/m^{2}K

Security

PAS23-1: 1999; PAS24-1: 1999, security hardware required



Environmental

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

SPW600 and SPW600e 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.***

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