

Technical information

# SPW500 thermally broken screening and door system



Hepworth Framework in Partnership with 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.

## 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

## Glazing

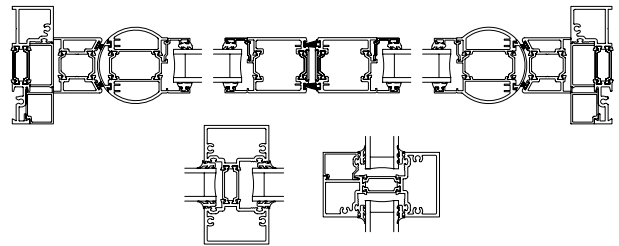
Thickness	28mm
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## Average U values (door) -

	Single	Double
Fully glazed	1.64W/m <sup>2</sup> K	1.63W/m <sup>2</sup> K
With mid rail	1.72W/m <sup>2</sup> K	1.72W/m <sup>2</sup> 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.