



SPW600e

Door System

Technical Datasheet

Scope

The SPW600e door system 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.

Materials

- Extruded aluminium is generally Aluminium Alloy 6060.T6/T66, 6063.T6/T66, 6082.T6 to BS EN 755-9 and EN 12020-2.
- The Gasketry is generally manufactured in accordance with BS ISO 3302-1.
- The fixings are generally A2 Stainless Steel screws.

Finishes

SPW600e door sections are available typically in three finishes.

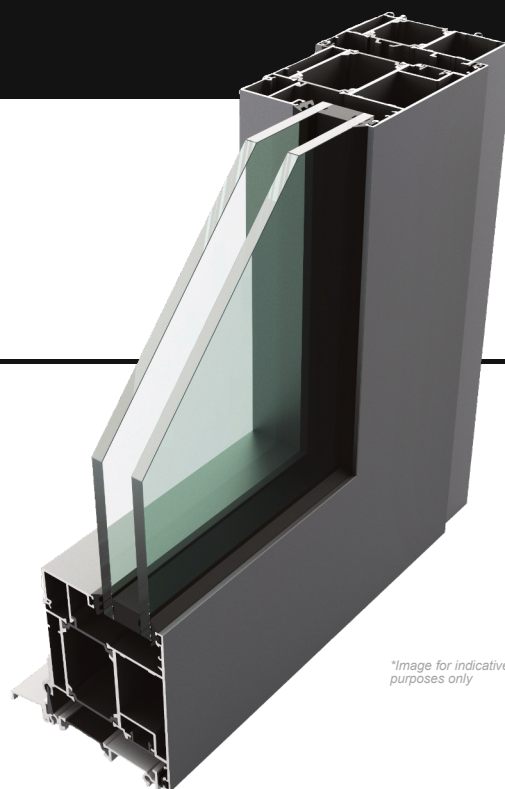
- Polyester Powder Coating to BS EN 12206-1 Part 1 painted in house. Surface finished to a minimum of 40 microns standard, or enhanced to suit project requirements, in accordance with ISO 9001, ISO 14001 and ISO 45001.
- Anodised finishes are to BS3897 to a minimum of 25 microns (AA25), supplied in either satin or polished finish in a limited range of colours.
- Mill Finish.

Construction

SPW600e is constructed using mitred corners, joined with Crimped 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.

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

| | |
|----------------------|--------|
| Max door leaf width | 1000mm |
| Max door leaf height | 2400mm |
| Max door leaf weight | 75kg |

*Average U-values

| | |
|------------------------------|-----------|
| Single Doors | |
| CEN standard (Double Glazed) | 1.4 W/m²K |
| CEN standard (Triple Glazed) | 1.0 W/m²K |

| | |
|------------------------------|------------|
| Double Doors | |
| CEN standard (Double Glazed) | 1.3 W/m²K |
| CEN standard (Triple Glazed) | 0.95 W/m²K |

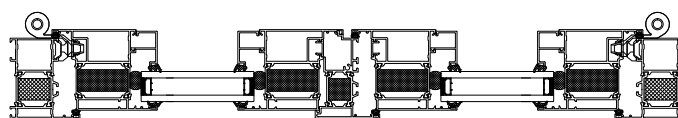
| | |
|----------------|-------------|
| Glazing | |
| Thickness | 28mm - 56mm |

| | |
|----------------|-------------|
| Testing | |
| 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.



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