



# PURe® Commercial Door System

## Technical Datasheet

### Scope

The PURe® commercial door system has been designed to meet current and future building regulations, with impressive U-values and thermal performances. PURe® is an evolved generation of aluminium window and door systems manufactured in the UK. It combines the long life and low maintenance of aluminium with a patented high insulation PUR foam thermal barrier. PURe® commercial doors are capable of accepting glazing up to 60mm 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 are manufactured in accordance with PA66 GF25.
- The Gasketry is generally manufactured in accordance with BS ISO 3302-1.
- The fixings are generally A2 Stainless Steel screws.

### Finishes

PURe® Commercial door sections are available typically in two 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.

### Construction

PURe® is constructed using mitred corners and/or shear blocks, joined with crimped or mechanical cleats; alignment chevrons assist in clean, accurate mitres. A proprietary sealant is used on all metal joints in line with good practice. Automatic solutions are also available.

### 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	1400mm
Max door leaf height	3000mm
Max weight per door leaf	180kg

#### Electronic Locking

Max door leaf width	1400mm
Max door leaf height	2500mm
Max weight per door leaf	180kg

#### Panic Exit

Max door leaf width	1350mm
Max door leaf height	2500mm
Max weight per door leaf	180kg

#### \*Average U-values

#### Single Door

CEN standard (Double Glazed)	1.3 W/m <sup>2</sup> K
CEN standard (Triple Glazed)	0.94 W/m <sup>2</sup> K

#### Double Door

CEN standard (Double Glazed)	1.3 W/m <sup>2</sup> K
CEN standard (Triple Glazed)	0.89 W/m <sup>2</sup> K

#### Glazing

Thickness	28mm - 60mm
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#### Testing

Security	PAS24 & SBD
**BS6375 -1	✓
BS6375 - 2	✓

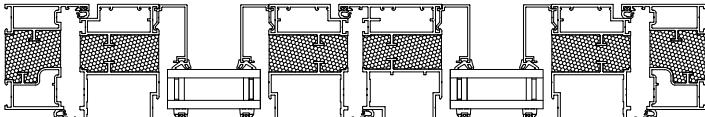
#### Acoustics

Acoustics performance (IGU Dependent)	38dB reduction is achievable
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\*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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