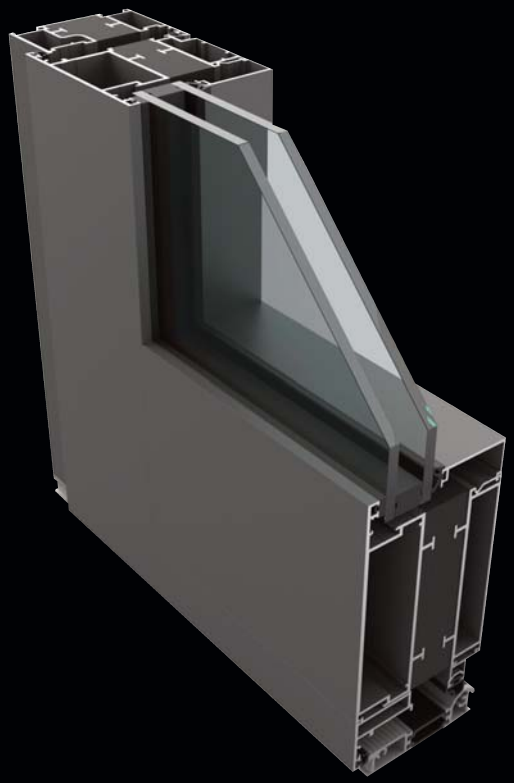

Technical information

PURe® commercial door

PURe®
DOOR SYSTEMS

Scope

The PURe® commercial door system has been designed to meet current and future building regulation, 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 externally with a patented high insulation PUR foam thermal barrier. PURe® commercial doors are capable of accepting glazing up to 60mm thick depending on weight.

Materials

- All aluminium sections are extruded using Aluminium Alloy 6060 or 6063 T6 to BS EN 755 part 9 2008 or BS EN 12020-2.
- Polyamide thermal barriers are manufactured in accordance with PA66 GF25.
- Gaskets are manufactured in accordance with BS3734.

Finishes

PURe® commercial door system sections are available typically in two finishes.

- Polyester Powder Coating to BS EN 12206-1: 2004 Part 1 – painted in house. Surface finish at 40 microns standard, or enhanced to 60 microns for marine environments, in accordance with ISO 9001, ISO 14001 and ISO 18001.
- Anodised 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

PURe® is constructed using mitred corners, 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. Automation solutions are also available

Environmental

Senior Architectural Systems is fully compliant with BES 6001, BS EN ISO 9001, BS EN ISO 14001 and OHSAS 18001 Standards.

PURe® commercial door systems, 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.

Weather Rating

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

Patent Number
GB252363.8

Maximum sizes

Maximum Door Leaf Width	1400mm
Maximum Door Leaf Height	3000mm

Electronic locking

Maximum Door Leaf Width	1400mm
Maximum Door Leaf Height	2500mm

Panic exit

Maximum Door Leaf Width	1350mm
Maximum Door Leaf Height	2500mm

Glazing

Thickness	28mm - 60mm

Average U values

Single Door CEN - Standard	2130 x 2180mm
28mm Double Glazed Unit	1.32 W/m^{2}K
48mm Triple Glazed Unit	0.96 W/m^{2}K

Single Door CEN - Thermally Enhanced	2130 x 2180mm
28mm Double Glazed Unit	1.29 W/m^{2}K
48mm Triple Glazed Unit	0.94 W/m^{2}K

Double Door CEN - Standard	2130 x 2180mm
28mm Double Glazed Unit	1.34 W/m^{2}K
48mm Triple Glazed Unit	0.99 W/m^{2}K

Double Door CEN - Thermally Enhanced	2130 x 2180mm
28mm Double Glazed Unit	1.32 W/m^{2}K
48mm Triple Glazed Unit	0.96 W/m^{2}K

U value figures are configuration dependent. For further U value calculations please contact your technical sales manager. For glazing specification, please contact our technical department.

Security

PAS24:2016 multi-point locking hardware required

Specification. ***Please contact our national team of architectural advisors for advice on product suitability, calculations and NBS or bespoke specifications.***

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