

Ali VU Door System

Technical Datasheet

Scope

The Ali VU door system has been designed to meet current and future building regulations, with impressive thermal performances. Ali VU is an evolved generation of aluminium door system manufactured in the UK. It combines the long life and low maintenance of powder coated aluminium with a polyamide high performance thermal barrier. Ali VU doors are capable of accepting glazing up to 44mm 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

Ali VU 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

Ali VU is constructed using mitred corners, joined with Crimped alignment chevrons assist in clean, accurate mitres. 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	1200mm
Max door leaf height	2500mm
Max weight per door leaf	125kg

*Average U-values

Single Door	
CEN standard (Double Glazed)	1.4 W/m ² K
CEN standard (Triple Glazed)	1.0 W/m ² K
Double Door	
CEN standard (Double Glazed)	1.4 W/m ² K
CEN standard (Triple Glazed)	1.0 W/m ² K

Glazing

Thickness	24mm - 44mm
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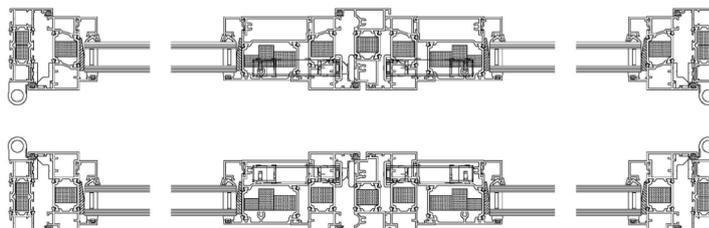
Testing

Security	PAS24
**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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