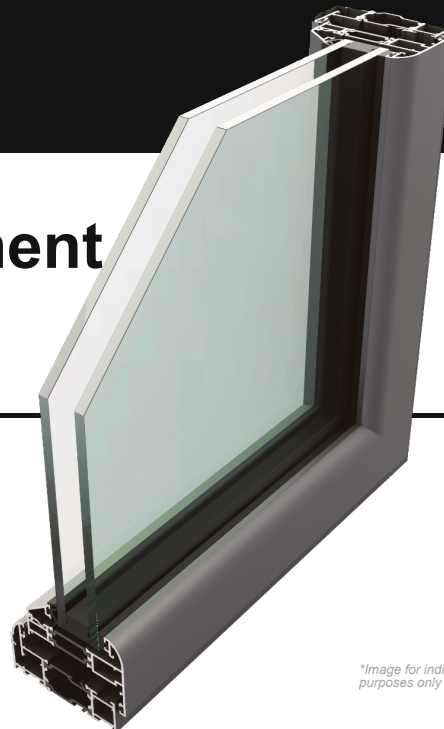




Ali VU Ovolo Frame Casement Window System

Technical Datasheet



**Image for indicative purposes only*

Scope

The Ali VU Ovolo Frame Casement window system has been designed to meet current and future building regulations, with impressive thermal performances. Ali VU is an evolved generation of aluminium window systems 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 Ovolo Frame Casement windows are capable of accepting glazing up to 44mm.

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 Ovolo Frame Casement window sections are available typically in three finishes.

- Polyester Powder Coating to BS EN 12206-1 Part 1 painted in house. Surface finish 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 cleats; alignment chevrons assist in clean, accurate mitres. Integral transoms and mullions are scribed around the outer frames and fixed with either screwports or shearblocks.

A proprietary sealant is used on all metal joints in line with good practice. Opening window frames are designed to be inserted directly into the outer frames using friction stays.

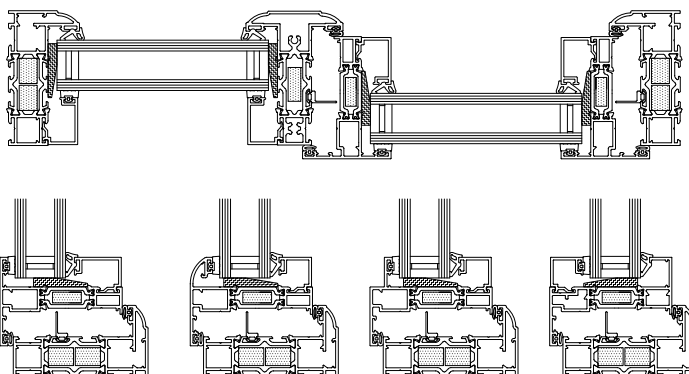
Environmental

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.

| Typical Sizes | Width (mm) | Height (mm) |
|--|------------------------|-------------|
| Top Hung | 1400 | 1400 |
| Side Hung | 950 | 1400 |
| *Average U-Values | | |
| Residential CEN standard (Double Glazed) | 1.4 W/m ² K | |
| Residential CEN standard (Triple Glazed) | 1.0 W/m ² K | |
| Glazing | | |
| Radius & Stepped Vent Option | 24mm - 36mm | |
| Outer Frames & Flat-faced Option | 24mm - 44mm | |
| Testing | | |
| Security | PAS24 | |
| BS6375 -1 | Air Permeability 600Pa | |
| | Water Tightness 600Pa | |
| | Wind Resistance 1600Pa | |
| BS6375 - 2 | ✓ | |

**All calculations are based on CEN sized windows at 1230mm x 1480mm.*

Test certifications available upon request.



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Senior Architectural Systems Ltd, Eland Road, Denaby Main, Doncaster, South Yorkshire, DN12 4HA.
Tel: 01709 772 600 E-mail: info@sasmail.co.uk www.seniorarchitectural.co.uk

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