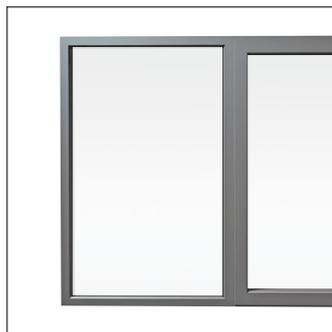


Technical Specification

70mm Window System



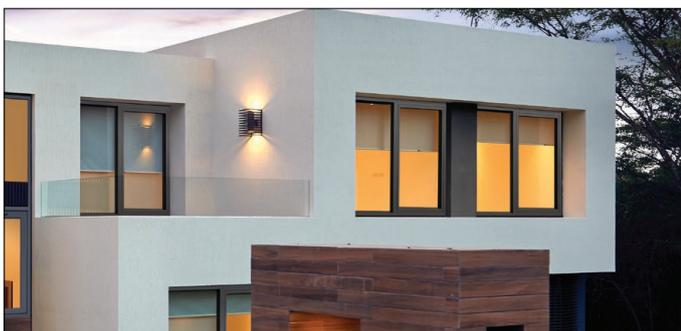
Designed for both residential and commercial applications, the thermally efficient 70mm Window System has a wealth of design options making it ideal for use in homes, schools, offices and leisure facilities. It can be used in conjunction with our Curtain Walling and Framing Systems offering a complete glazing solution for both new build and refurbishment projects.

Design Options

- Single or dual colour
- Open out casement (top or side-hung)
- Individual or composite window styles
- Fixed light
- Cill options
- Double or triple glazing
- Opening restrictors

Performance

- Window tested to UK exposure category I 600
- Water tightness: 600Pa
- Air permeability: Class 4
- Wind resistance: Class C4
- Safety requirement: 2400Pa



TECHNICAL SPECIFICATION

Application	Residential new build, refurbishment and light commercial.
Window types	Open out casement (top or side-hung), fixed light.
Maximum window opening width*	Side hung 1000mm • Top hung 1000mm
Maximum window opening height*	Side hung 1500mm • Top hung 1200mm
Frame profiles	Profiles 70mm deep. 43mm sightlines on fixed profiles. Odd leg, Curtain Wall.
Corner posts	90° and 135°
Cills	Range of options including one piece polyamide.
Jointing	Mechanical corner and transom/mullion jointing.
Thermal performance	Polyamide thermally broken profiles - Document L1A, L1B/L2A, L2B compliant.
U-Value	As low as 1.2 W/m ² K.
Performance	Window tested to UK exposure category 1600 Water tightness 600Pa Air permeability Class 4 Wind resistance Class C4 Safety requirement 2400Pa
Finishes	Mill finish. Etched and anodised Silver AA25 or colours on request. Polyester powder coat paint. See separate list for standard colour range available.
Single or dual colour profiles	Option.
Glazing options	Will accept double or triple IGU and infill panels 24 – 40mm thick.
Square beaded	Internally.
Hardware	Nominal 13.5mm cavity accepts most proprietary fittings. Non-handed friction hinges.
Trickle vents	Standard or Slimline
Locking handles	Inline or offset– Black, White, Grey, Graphite, Silver and Gold.
Security	Multi-point bi-part espagnolette locking, PAS24 compliant.
Opening restrictors	Child and Health Care.
Design standards	BS EN 12020-2:2001 <i>Aluminium and aluminium alloys, extruded precision profiles.</i> BS 3987:1991 <i>Specification for anodic oxide coatings.</i> BS EN 12206-1:2021 <i>Paints and varnishes, coating of aluminium and aluminium alloys.</i> BS 4873:2016 <i>Specification for aluminium alloy windows and doorsets.</i> BS EN 14351-1:2006+A2:2016 <i>Windows and doors, performance characteristics.</i> BS EN ISO 10077-2:2017 <i>Thermal performance of windows, doors and shutters.</i> PAS 24:2016 <i>Enhanced security performance requirements for doorsets and windows.</i>

* Subject to use of appropriate hardware and site conditions.



Kestrel Aluminium Systems Ltd., 180 Rupert Street, Aston, Birmingham, B7 5DT

Tel: **0121 333 3575** • Fax: **0121 333 5335** • Email: info@kestrelaluminium.co.uk • www.kestrelaluminium.co.uk



We operate a continuous development programme and we reserve the right to amend specification without prior notification. Please contact the technical department for further information. All copyright, trademarks and registered design rights for the products detailed in this brochure are the property of Kestrel Aluminium Systems Ltd.

