

Alitherm Windows

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smart
architectural aluminium

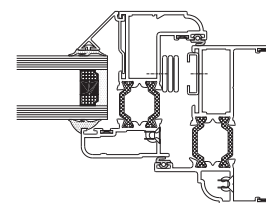


WINDOWS

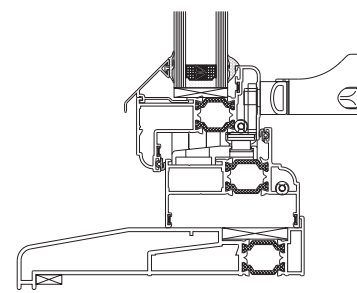
Alitherm



Horizontal Section



Vertical Section



Trade Name

Alitherm

Building applications

Designed for use as fixed lights and open out windows, internally or externally beaded for domestic and light/medium commercial applications.

Special features

Designed for high thermal efficiency using slimline profiles
Ovolo, chamfered or square main profile options
High security glazing and shoot-bolt locking options

Materials

Aluminium alloy 6060/6063 T5/T6 in condition F22 to NBN P21-001 and DIN 1725

Thermal break: polyamide strips PA 6.6.
25% reinforced with glass fibre

Seals: EPDM to DIN 7863, TV 110
NFP 85301, ISO 3994

Finish

Polyester powder coat to BS 6496/APA-Qualicoat Guidelines.
Anodised satin or bronze colours with EWAA/EURAS-Qualinod quality label
Dual colour available

Profile width

Various options depending on design considerations

Depth of frame

47mm, 55mm and 70mm

Glass

Glazing options 24mm, 28mm and 32mm

Sash inserts

Top or side hung opening options

Performance

Weather tested in accordance with BS6375 Pts 1 & 2*
Security tested to BS7950*
Complies with Doc. L for thermal transmittance

*BSI Kitemark Test Reports are available on request



Beautiful windows that
complement your home



Alitherm Windows

Designed to conserve warmth & energy



Alitherm windows and doors have been designed to reduce heat loss by the use of a thermally broken aluminium frame with a polyamide bridge. The polyamide material has a very high resistance to heat transfer from the inner face of a frame (i.e. inside a room) to the external face of a frame (i.e. outside). The thermally broken frames provide homeowners with windows and doors that have distinct advantages.

Strength & Durability

are provided by the use of Aluminium sections which gives structurally sound windows and doors for your peace of mind.

Warmth & Comfort

are benefits enjoyed by homeowners because Alitherm windows and doors are thermally efficient and contribute to a reduction in the cost of heating bills.

Elegant Slim Sightlines

are features of the Alitherm windows and doors which are enhanced by an ovolo, chamfered or square profile edge appearance. Additionally, homeowners have a dual colour option which means having a choice of finishes and colours externally and internally.





Comfort & style
that suits any home





The Alitherm range of windows offers all you would expect from a quality system – Greater comfort, better insulation, minimal maintenance, aesthetically pleasing appearance and enhanced security. In short, the Alitherm product range offers you peace of mind but even more it represents a sound investment in your property.

Whatever your taste or style of home, we can offer distinctive window designs to suit. Our unique style of windows are available in a choice of finishes and colours externally including luxurious mahogany and rich golden oak as well as a white finish internally.



Our Pedigree

Smart Architectural Aluminium is renowned in the fenestration industry for our ethos of quality in design and development. Our expertise and reputation has been built from over 30 years experience in designing and supplying quality assured aluminium profile systems to the window and door industry. It is this experience and reputation for excellence that has made Smart Architectural Aluminium the UK's leading supplier of aluminium window & door systems.

Located in Yatton, North Somerset, at purpose built 15,000sq/m offices and manufacturing plant the company has an annual turnover in excess of £30 million and employs over 100 people. Smart's are completing construction of a further 15,000sq/m extension which will include the first aluminium extrusion press and paint line to be built in the UK for over ten years.

Smart Architectural Aluminium is committed to working towards a sustainable working environment, and to ensuring that every aspect of our activities is conducted in accordance with sound environmental practices.

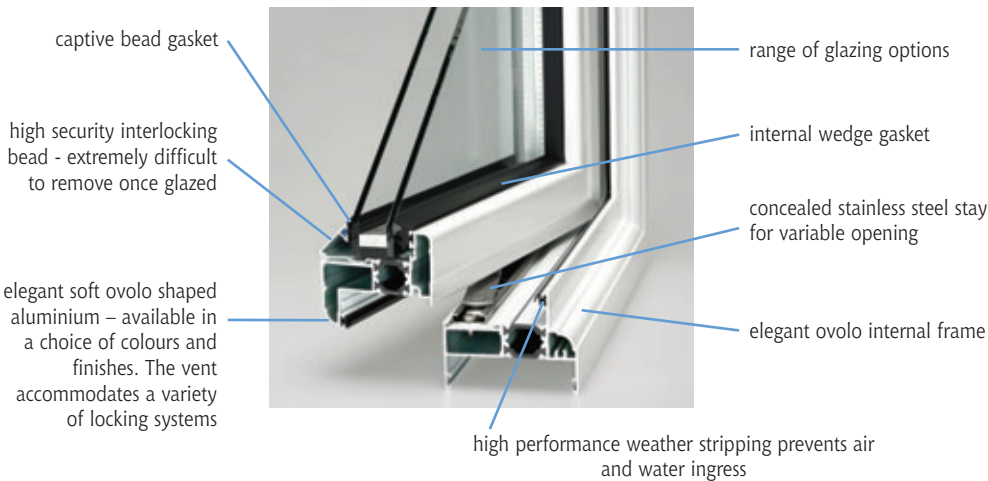
Smart Architectural Aluminium is a member of the internationally renowned Corialis Group.

Your choice of finishes



Products/finishes depicted in this brochure are for illustration purposes only. The actual product(s)/finishes supplied may vary in terms of its specification or detail. Customers are advised to check with their supplier.

Alitherm Quality



Specification

Aluminium Sections to Polyamide Finishes	BS1474 6060/6063 T5. PA 6.6.25% reinforced with glass fibre. Polyester powder coat paint to BS6496 in a wide choice of colours. Woodgrain laminate in Mahogany & Light Oak Silver anodised to BS3987, Grade AA25.
Glazing	External or Internal, aluminium glazing beads and flexible gaskets to BS6262. Beads and gaskets will accommodate a range of glazing options.
Glazing Bead	Clip in aluminium glazing beads to accommodate a range of glazing options.
Glazing Gaskets	Internal wedge gasket and Captive bead gasket High performance weather stripping.
Locking Mechanism	Windows accommodate both internally fitted and face mounted shoot-bolt or cockspur locking systems
Handles	Key operated locking handles.
Hinges	Concealed stainless steel projecting friction.
Performance Tests	Successfully weather tested in accordance with BS6375 Pt 1. Complies with Doc. L for thermal transmittance.
Kitemark Licences	Smart Systems Limited is the holder of BSI Kitemark License No. KM 81580 in respect of: BS 7950/4873 Enhanced Security performance of casement and tilt/turn windows for domestic applications. Details of the relevant BSI test reports are available, on request, from Smart Systems Limited. Smart Systems Limited is also the holder of BSI Kitemark License No. KM 81543 in respect of: BS 4873 Aluminium Alloy Windows.

Quality Standards:



Council for Aluminium
in Building

We reserve the right to make changes to the product specification as technical developments dictate and without prior notice.

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