

The art of creative living

smart
duotherm windows & doors



Beautiful windows that
complement your home

Innovation by Design



The Duotherm design is an innovation based on a simple concept – that of combining aluminium sections with PVC-U profiles to produce composite window and door frames with distinct advantages for homeowners.

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 PVC-U profiles are used as claddings on the inside face of the aluminium frames thereby providing optimum insulation.

Style & Beauty

are evident features of the Duotherm windows and doors. Slim sightlines, ovolo glazing beads and featured lines makes this system as aesthetically pleasing product range. Additionally, end-users have a dual colour option which means having a choice of finishes and colours externally and internally.





Windows & doors that
enhance your home





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The Duotherm range of windows and doors offers all you would expect from a quality system – greater comfort, better insulation, minimal maintenance, aesthetically pleasing appearance and enhanced security. In short, the Duotherm product range offers you peace of mind but even more it represents a sound investment in your property. We hope that you will soon be enjoying all the benefits of having Duotherm windows and doors installed in your home.

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

Elegant, yet strong and durable Duotherm windows and doors enhance the beauty of your home, keep in the warmth and let in more light because of the slim sightlines. Peace of mind is ensured by the enhanced security provided by a shoot-bolt locking system on windows and a multi-point locking mechanism with mortis cylinder lock on entrance doors.

A wide choice of entrance door styles is available plus a range of solid aluminium door panels in full size or half size. In addition, the door panels are available in a choice of finishes and colours including a dual colour option.





duotherm

Conservatory

Conservatories
for all occasions



A Duotherm conservatory will add a new dimension to your home creating an elegant extra living space. Light and airy, it is the perfect place in which to entertain, enjoy your favourite hobbies or simply just to relax. Your Duotherm conservatory provides an extra room for year round enjoyment.

We offer a range of conservatory styles to suit every property. Create a modern lean-to design or a period design including Victorian, Edwardian and Georgian or nearly any combination of these.

Designed to cope with the heaviest snowfall and winter gales, Duotherm conservatory roofs are manufactured using aluminium roof bars for added strength. The roof bars are also clad internally with PVC-U covers, thus providing a high degree of insulation for warmth.

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.

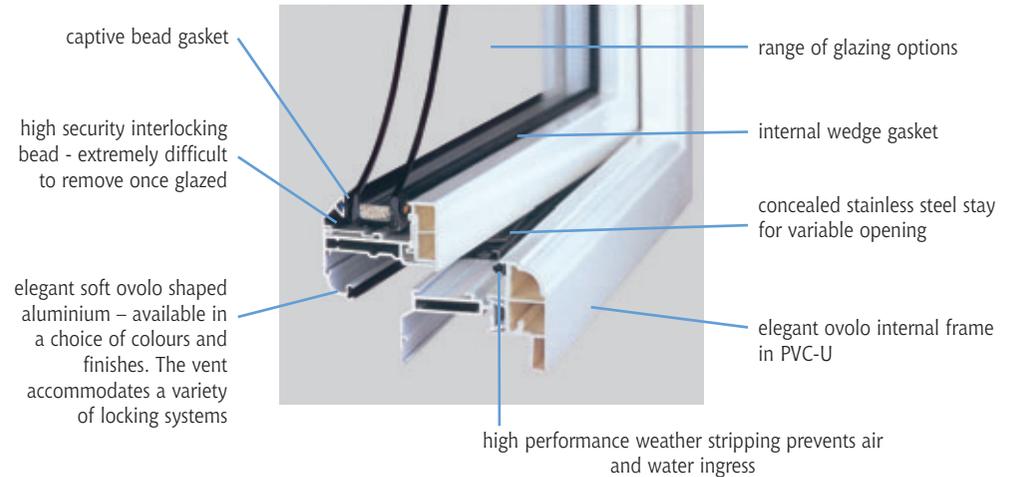
Smart Architectural Aluminium is a member of the internationally renowned Corialis Group.

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.

Duotherm Quality



Specification

Aluminium Sections to	BS1474 6060 T6.
PVC-U Profiles to	BS7413
Finishes	White PVC-U to BS7413 Polyester powder coat, paint to BS6496 in a wide choice of colours Woodgrain effect in Mahogany & Light Oak foils 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	High security interlocking glazing bead option
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 locking system. Doors have multi-point locking mechanism and mortice cylinder lock
Handles	Key operated locking handles
Hinges	Concealed stainless steel projecting friction hinges
Appearance	Elegant soft ovolo shaped aluminium externally and distinctive ovolo PVC-U profile internally
Performance Tests	Windows have been tested (Test Report 3187) in accordance with BS6375: Part 1 and have achieved the following classification for weather tightness: Air Permeability Class C – 600pa, Water Tightness 600pa and Wind Resistance 2000pa.

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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