



# alitherm

## Doors

Our handsome range of entrance doors will impress your guests and keep out both the elements and unwelcome intruders. Our Alitherm doors are designed for use as open out or open in, single or double doors, internally or externally beaded with side-light and low threshold options.

Alitherm Plus doors are a high performance alternative suitable for use in high traffic or exposed areas where a durable and reliable door is required.

Elegant, yet strong and durable Alitherm 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 multi-point locking system.

Elegant & secure, Alitherm doors  
offer peace of mind

## 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.

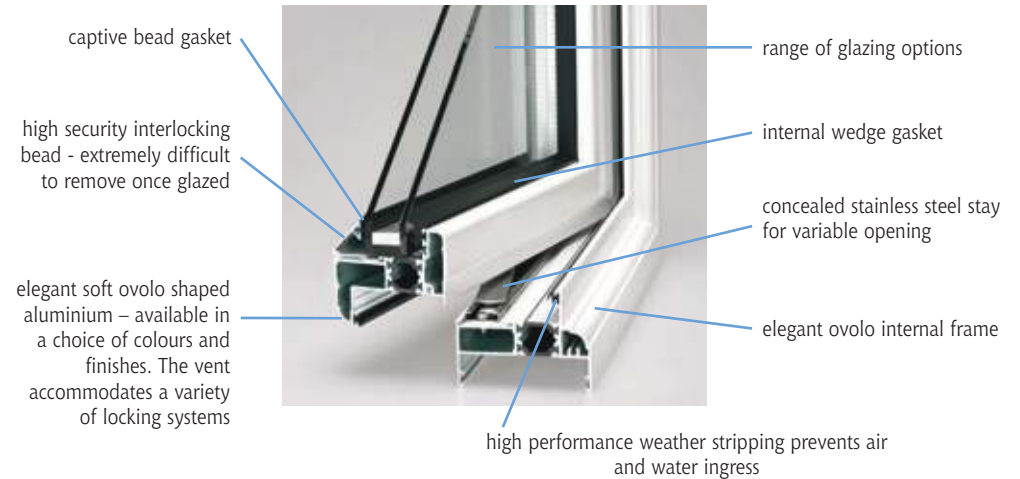
Smart Architectural Aluminium is a member of the internationally renowned Corialis Group.

## 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.<br>PA 6.6.25% reinforced with glass fibre.<br>Polyester powder coat paint to BS6496 in a wide choice of colours.<br>Woodgrain laminate in Mahogany & Light Oak<br>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<br>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.<br>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/tum windows for domestic applications. Details of the relevant BSI test reports are available, on request, from Smart Systems Limited.<br>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

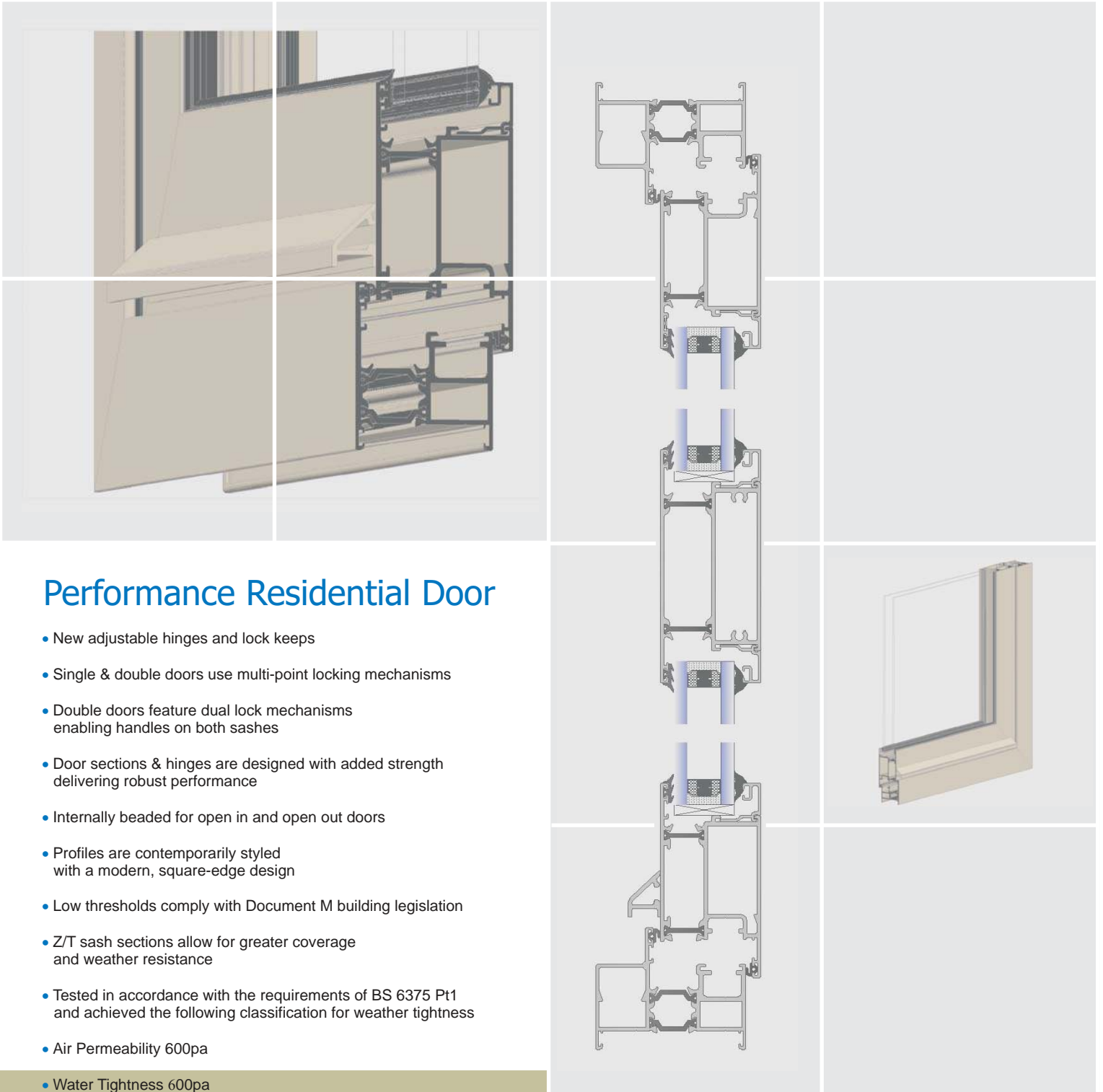
We reserve the right to make changes to the product specification as technical developments dictate and without prior notice.

Pictures shown in this brochure are for illustrative purposes and are not binding in detail, colour or specification.

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# Alitherm Plus Door



## Performance Residential Door

- New adjustable hinges and lock keeps
- Single & double doors use multi-point locking mechanisms
- Double doors feature dual lock mechanisms enabling handles on both sashes
- Door sections & hinges are designed with added strength delivering robust performance
- Internally beaded for open in and open out doors
- Profiles are contemporarily styled with a modern, square-edge design
- Low thresholds comply with Document M building legislation
- Z/T sash sections allow for greater coverage and weather resistance
- Tested in accordance with the requirements of BS 6375 Pt1 and achieved the following classification for weather tightness
- Air Permeability 600pa
- Water Tightness 600pa
- Wind Resistance 1200pa