smart
architectural aluminium

Alitherm Plus

Alitherm Plus residential doors join the established Alitherm suite of products, providing elegant, robust and high-performance single and double entrance doors, in a range of formats and sizes.

Designed for ease of fabrication and installation, Alitherm Plus doors feature adjustable hinges and lock keeps, with additional clearance for sash-passing to provide greater fitting tolerances.

- Can be fitted with Smart Designer Door Panel
- Single and double door options
- Multi-point locking mechanisms
- Double doors feature dual lock mechanisms enabling handles on both sashes
- Adjustable hinges and lock keeps
- Door sections and hinges are designed with added strength to deliver robust performance
- Internally beaded for both open-in and open-out doors
- Low thresholds comply with Document M building legislation

Alitherm Plus Low Threshold

The images illustrate different types of suitable applications for Alitherm Plus and are not binding in detail or specification

BES 6001 Responsible Sourcing of Construction Products — BES 668681

ISO 9001 Quality Management — FM21582

ISO 14001 Environmental Management — EMS554307

OHSAS 18001 Occupational Health and Safety Management — OHS571955

ISO 50001 Energy Management — ENMS634370

CAB

Centre for Window and Cladding Technology

Alitherm Plus

In common with every product in the Alitherm range, Alitherm Plus doors incorporate Smart's innovative polyamide thermal break technology, which significantly reduces thermal transmittance and enhances the overall U Value of the product.

Alitherm Plus can now be fitted with the Smart Designer Door Panel range, carefully selected to suit a wide range of house and apartment styles. Designer Door Panels make a striking design statement for the discerning home-owner.

Alitherm Plus is available in a choice of standard and non-standard colours, with single and dual colour options including Smart's own Naturals, Sensations, Alchemy and Cotswold colour ranges.

Alitherm Plus
Rebated Threshold

Application

- All general light-use applications, including residential and light commercial

Features

- An enhanced system designed to comply with the revisions to the Building Regulations
- Document L compliant
- 316 Marine Grade Stainless Steel Handle option
- Profiles feature an extended polyamide thermal break to enhance thermal performance

Finish

Single or dual colour, marine quality powder coat as standard

Technical Performance

Air	Class 4*
Water	Class 9A*
Wind	Class AE2400*

Test Certification

Enhanced Security	PAS24: 2016
Resistance to Weather	BS6375–1: 2009
Resistance to Weather	BS6375–2: 2009
BSI Kitemark	KM 530838*

Dimensions

Frame Depth	47mm & 70mm
Typical Sight Line	126.5mm
Glass	24mm, 28mm & 32mm

*Figures based on fully rebated threshold.

Single Door Dimensions

Max Frame Width	1000mm (sash)
Max Frame Height	2500mm (sash)
Max Sash Weight	100kg

Double Door Dimensions

Max Frame Width	1000mm (per sash)
Max Frame Height	2500mm (per sash)
Max Sash Weight	100kg (per sash)

(For sizes outside these parameters, contact the Smart Technical Support team)

PM0006P Door Panel
available to order separately

Alitherm Plus Frame

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