

Aluminium Sliding Patio Door System

Typical sizes

Max Weight Lift & Slide	250kg
Max Weight Inline Slide	210kg
Max Height Per Door	2700mm
Max Width Per Door	2500mm

Average U-Values

CEN Standard (Double Glazed)	1.6 W/m2K
CEN Standard (Double Glazed) Monorail	1.4 W/m2K

Glazing

Glass Thickness	up to 30mm
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Testing

Energy Rating	C
Security	PAS24:2022
*BS6375-1	✓
BS6375-2	✓
BS6375-3	✓

Specification options

Visible Sightline Frame/ Sash	117mm
Visible Sightline Interlock	25mm or 50mm
Track Options	Double (120mm) / Triple (183mm)
U-value DGU	1.6 W/m2K
U-value DGU Monorail	1.3 W/m2K
PAS24 (25mm Interlock)	✓
PAS24 (50mm Interlock)	✓
Air Permeability	600PA
Water Tightness	300PA
Wind Load Resistance	Class C2/B

*Results may vary based on specification. Further details available upon request



*Image for indicative purposes only



Scope

The Aluminium ESS47 Sliding Door system has been designed to meet current and future building regulations, in addition to market-leading features such as our super-slim sightlines. Secure to PAS24:2022 certification, the ALUNA Slider exceeds Part L compliance with a new built requirement of 1.4 W/(m2k) is achieved when combined with highly energy efficient glass.

Materials

- Extruded aluminium is generally Aluminium Alloy 6060.T6/ T66, 6063.T6/T66, 6082.T6 to BS EN 755-9 and EN 12020-2
- Polyamide thermal barriers are manufactured in accordance with PA66 GF25
- The Gasketry is generally manufactured in accordance with BS ISO 3302-1
- The fixings are generally A2 Stainless Steel screws

Finishes

ESS47 Sliding Door sections are available typically in three finishes:

- Minimum 60 microns as standard / Marine grade / Qualicoat as standard
- Anodised finishes are to BS3897 to a minimum of 25 microns (AA25), supplied in either satin or polished finish in a limited range of colours.
- Mill finish / 9005 M / 7016 M / 9016 G / Dual 9005 on 9016 / Dual 7016 on 9016.

Construction

The ALUNA Slider is constructed using mitred corners, joined with mechanical cleats; alignment chevrons assist in clean, accurate mitres and screwports. A proprietary sealant is used on all metal joints in line with good practice.

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