

Aluminium Bifold Door System Technical Data Sheet



*Image for indicative purposes only

Typical Sizes (standard)	
Max door leaf width	1200mm
Max door lead height	3000mm
Max weight per door leaf	120KG
Average U-Values	
CEN Standard (Double Glazed)	1.4 W/m ² K
CEN Standard (Triple Glazed)	1.1 W/m ² K
Glazing	
Glass Thickness	up to 44mm
Testing	
Energy Rating	B
Security	PAS24:2022 & SBD
*BS6375-1	✓
BS6375-2	✓
BS6375-3	✓

Specification options	
Visible Sightline Frame/ Sash	93.5mm
Visible Sightline Sash/ Sash	107mm
Track Options	Standard/ Low/ Integrated Cill
Clip in bead	✓
Open Corner Solution	✓
U-value DGU	1.4 W/m ² K
U-value DGU Monorail	1.1 W/m ² K
Air Permeability	600PA
Water Tightness	600PA
Wind Load Resistance	1800PA

Scope

The Aluminium 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 Bifold 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

BF73 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 Bifold door is constructed using mitred corners, joined with crimped or mechanical cleats; alignment chevrons assist in clean, accurate mitres. A proprietary sealant is used on all metal joints in line with good practice