



BSF70

# Optio Bi-fold Door

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Experts in Aluminium

**ALUK**<sup>®</sup>

# Optio Bi-fold

An intelligent combination of form and function, our highly versatile and market-leading Bi-fold door system gives you maximum control over the style and operation of the doors. Multiple panels can be added to accommodate the design specifications of your building, with the option to open in or out as required. The system also boasts a unique flush line pop-out handle that allows for square flush stacking panels when doors are fully open.



## DESIGN FEATURES

- › Certified under the Secured By Design scheme
- › Tested to PAS 24
- › Unique, pop-out handle that allows for maximum door opening and panels to stack square
- › Four stainless steel rollers to ensure smooth and consistent operation

## OPTIONS

- › Chamfered and square bead options
- › Glazing 28mm – 40mm
- › Available in a range of opening configurations
- › Available with heavy duty rollers; BSF70 HD
- › Available in a range of single or dual colour and anodised finishes
- › Low threshold 15mm step height
- › All configurations available open in and open out
- › Chamfered and square based options
- › Shootbolts top and bottom of the interlock for enhanced security
- › Dedicated bottom bogey guide for consistent operation and enhanced security
- › Double track threshold allowing greater stability

## SPECIFICATIONS

| Performance and accreditation             | BSF70                  | BSF70 HD  |
|-------------------------------------------|------------------------|-----------|
| *U-value (double glazing)                 | 1.6 W/m²K              | 1.6 W/m²K |
| †U-value (triple glazing)                 | 1.4 W/m²K              | 1.4 W/m²K |
| Air tightness (Pa) (standard threshold)   | Class 4 (600 Pa)       |           |
| Water tightness (Pa) (standard threshold) | Class 9a (600 Pa)      |           |
| Wind load (Pa)                            | Class AE2400 (2400 Pa) |           |
| Security                                  | PAS 24                 |           |
| 3rd party certification                   | Q-mark                 |           |
| Secured by design                         | ✓                      |           |

## Configurations

| Opening | Open in and open out | Open in and open out |
|---------|----------------------|----------------------|
| 2-2-0   | ✓                    | ✓                    |
| 3-3-0   | ✓                    | ✓                    |
| 3-2-1   | ✓                    | ✓                    |
| 4-4-0   | ✓                    | ✓                    |
| 4-2-2   | ✓                    | ✓                    |
| 4-3-1   | ✓                    | ✓                    |
| 5-5-0   | ✓                    | ✓                    |
| 5-3-2   | ✓                    | ✓                    |
| 5-4-1   | ✓                    | ✓                    |
| 6-6-0   | ✓                    | ✓                    |
| 6-3-3   | ✓                    | ✓                    |
| 6-4-2   | ✓                    | ✓                    |
| 6-5-1   | ✓                    | ✓                    |
| 7-7-0   | ✓                    | ✓                    |
| 7-4-3   | ✓                    | ✓                    |
| 7-5-2   | ✓                    | ✓                    |
| 7-6-1   | ✓                    | ✓                    |

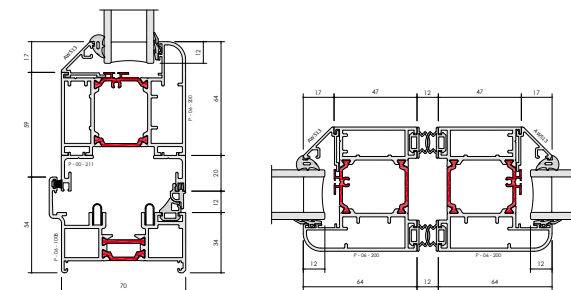
## Design features

|                           |        |        |
|---------------------------|--------|--------|
| Max vent weight           | 100 Kg | 130 Kg |
| Sightline (Head)          | 110mm  | 110mm  |
| Sightline (Cill)          | 130mm  | 130mm  |
| Sightline (Jamb)          | 110mm  | 110mm  |
| Sightline (Meeting Stile) | 140mm  | 140mm  |

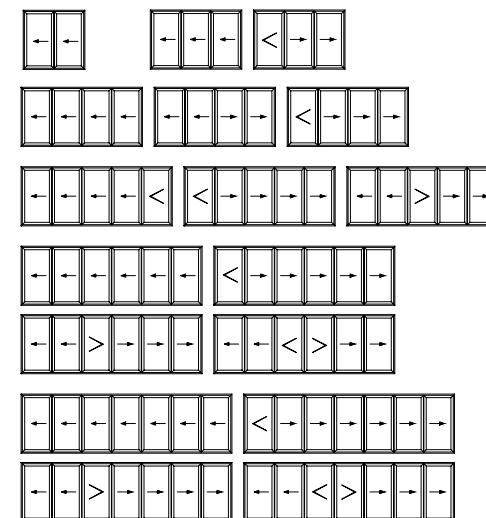
## System features

|                     |               |               |
|---------------------|---------------|---------------|
| Frame depth         | 70mm          | 70mm          |
| Dual colour option  | ✓             | ✓             |
| Multi-point locking | ✓             | ✓             |
| Glazing options     | Internal bead | Internal bead |
| Glazing thickness   | 24mm - 40mm   | 24mm - 40mm   |

## CAD CROSS SECTIONS



## BSF70 CONFIGURATIONS



\* Folding Doors are calculated using EN ISO 10077 - Part 2, 3000mm x 2180mm, 3-3-0 Door with Ug: 1.0 W/m²K (double glazed) / 0.7 W/m²K (triple glazed) using P-06-100 outerframe and P-06-200 vent. Single and Double Door value is calculated using EN ISO 10077 - Part 2, 2000mm x 2180mm Double Door with Ug: 1.0 W/m²K (double glazed) / 0.7 W/m²K (triple glazed) using P-06-100 outerframe and P-06-200 vent.

• U-Value (Double Glazing) - Folding Doors are calculated using EN ISO 10077 - Part 2, 3000mm x 2180mm, 3-3-0 Door with Ug: 1.0 W/m²K using P-06-100 outerframe and P-06-200 vent. Single and Double Door value is calculated using EN ISO 10077 - Part 2, 2000mm x 2180mm Double Door with Ug: 1.0 W/m²K using P-06-100 outerframe and P-06-200 vent.

† U-Value (Triple Glazing) - Folding Doors are calculated using EN ISO 10077 - Part 2, 3000mm x 2180mm, 3-3-0 Door with Ug: 0.7 W/m²K using P-06-100 outerframe and P-06-200 vent. Single and Double Door value is calculated using EN ISO 10077 - Part 2, 2000mm x 2180mm Double Door with Ug: 0.7 W/m²K using P-06-100 outerframe and P-06-200 vent.

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