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ALUK[®]



FOLDING DOOR SYSTEMS

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45V : FOLDING DOORS NON INSULATED



The AluK 45V Folding non-insulated door system provides an elegant and innovative application choice for balcony-doors, eliminating the separation between the internal and external environment, and offering a wide opening.

The 45V folding door/window system is perfectly suitable for all types of construction. It gives the possibilities to protect and allows all commercial, public and domestic premises to offer large openings, where light and openness can literally change everything!

Product features

- This system is adapted for large dimensions up to 2400 mm high and 900 mm wide per sash and offers the possibility to fold the sashes together on either sides.
- In the folded position, the folding door offers a minimum passage of up to 95% of total opening width.
- Principle: opening frames are guided by a roller rail at the top. Bottom rail can be embedded.
- Infill glass can be single or double glazed (thickness can vary from 4 to 28 mm).
- A double gasket barrier (central and peripheral) enables to reach high level of performance (weather tightness) and provides excellent finger protection.
- Equipped with retractable hinges for inside cleaning.
- Option of integrating with AluK 45P louver system for an amazing folding combination and solar control.
- Can be used as applications in Conservatories with folding doors (both sides), which allows energy-saving, benefiting from the light and warmth of the sun during the day in the winter, and allowing fresh air during the summer.

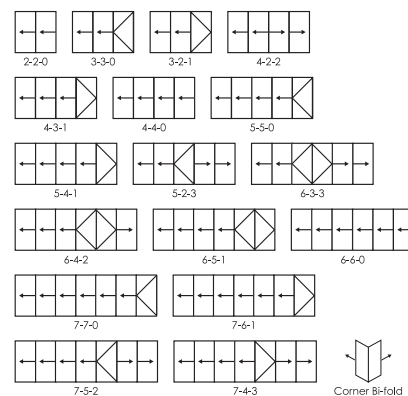
Product configuration

- In the top part of the sash, a hinge fitted with guiding rollers slides in the rail section.
- In the bottom part of the sash, a carriage mounted on needle bearings slides in the threshold section.
- The design and ergonomics of the handles and the guiding system make it very easy to open and close the panels.
- Smooth operation: opening frame - 45 mm module, fixed frame - 54 mm module.
- Maximum opening of the panels and it takes only a few seconds to slide and fold the complete product unit.
- Glass infill from 4 to 28 mm. Weight: Up to 70 kg per sash for the folding door.
- The guiding threshold section is designed for easy and smooth dismantling-free cleaning and maintenance.

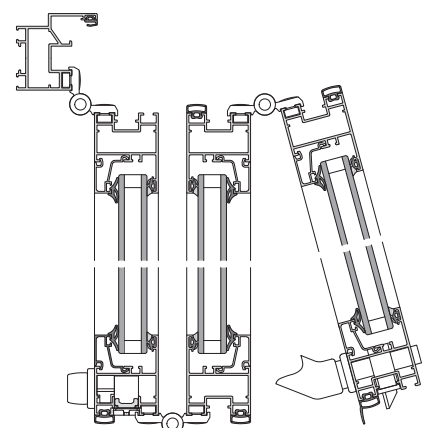
Technical specifications

The 45V Folding system is built upon using a frame in which the moveable parts or elements are placed in such a way that it is possible to slide / fold the elements to either side. These elements or sashes are supported and hinged to a mullion. At the top of the structure, the mullion is supported by a roller mechanism which slides along the sill profile while at the bottom of that structure; the mullion is guided by another roller mechanism. There are several possible combinations of elements and opening sashes.

Configurations



CAD cross sections



BSF70 : FOLDING DOORS THERMAL BREAK



Versatile and flexible, the market leading BSF70 aluminium folding door system is available in a wide range of configurations to create the look you desire. Multiple doors can be combined with open-in or open-out options, in a variety of styles to create a wide expanse of opening. The narrow profile ensures that maximum glazing is achieved, flooding rooms with light.

Design features

- Internally beaded with a soffline or square detail to all external doors and panels.
- Chamfered and square bead options.
- Four stainless steel wheels ensures smooth and consistent operation.
- Unique, flush line pop-out handle that allows maximum door opening and square stacking panels.
- Low threshold option which can be configured to achieve DDA and Part M compliance.
- Certified under Secured by Design scheme.

Options

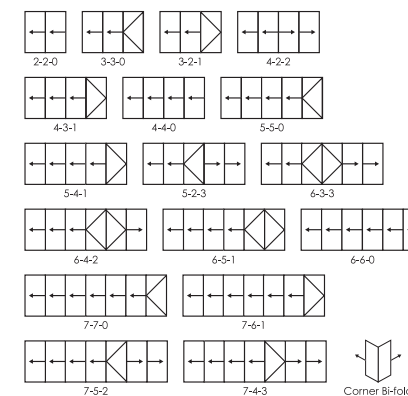
- Doors and panels can be used in a variety of configurations, style and design.
- All configurations are available in both open-in and open-out options.
 - Full range of bespoke hardware available.
 - Glazing sizing range of 28mm – 44mm.
 - Available in single or dual colour option, polyester powder coating and anodised finishes.

Technical specifications

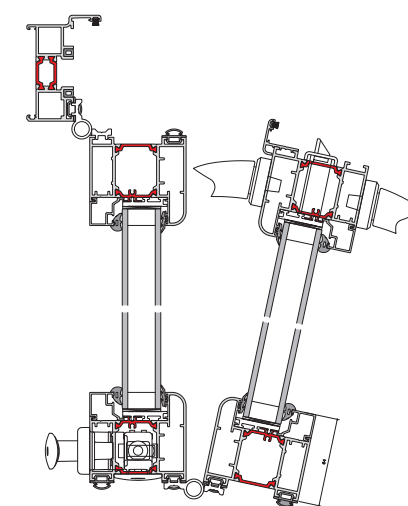
Combining high security hinges and locking mechanisms with a unique high strength roller designs, the BSF70 aluminium folding door system provides the security and reliability demanded in high traffic applications. Doors can be manufactured to replace whole walls and a full range of colours are available, including single or dual aspect. Anodised finishes are also available with marine grade guarantees on request.



Configurations



CAD cross sections



	45V	BSF70
SYSTEM FEATURES		
Dimensions (mm) (H max x L max)	H 2400mm max x W900mm max	H 3000mm max x W1200mm max
Max Leaf Weight (kg) (max)	70kg	150kg
Options	Open in & open out Low threshold (for disabled people), Hanging truck (top side) Even and odd sashes	Open in & open out Part M compliant low threshold square or soffline frame profiles
Dual Colour Option	-	•
Multi-Point Locking	-	•
Glazing Thickness	4mm - 28mm	28mm - 40mm

