



imagine Bi-Fold Doors



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The VEKA UK Group

The Imagine Bi-Fold Door was designed - from scratch – in the UK, for the UK market. All components were designed specifically for this product so as not to compromise on quality. Since its initial introduction several enhancements have been introduced to further improve its performance and operation.

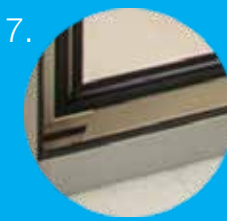
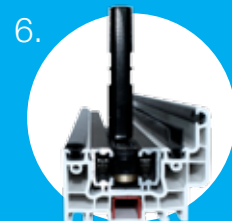
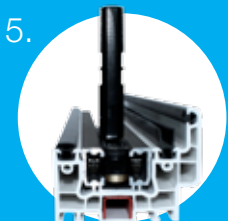
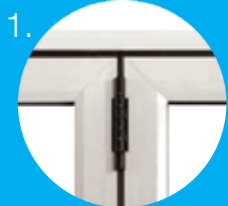
Just the Facts

- UK's first Bi-Fold to achieve BSI Kitemark
- UK's first Bi-Fold to achieve PAS 24
- Clean contemporary look with slim sight lines
- Hardware developed with ERA, one of the UK's leading and long established hardware providers
- Offers ERA Five Star Guarantee



Product updates for 2016

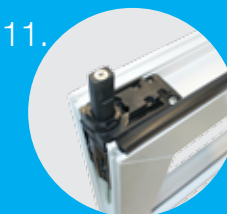
1. New gasket seals for improved aesthetics, weather performance and ease of manufacture.
2. New one piece handle design for master door.
3. New internal espag handle for intermediate door to improve operation.
4. Internal & external espag handle to enable external access on certain door styles.
5. New track to improve shoot bolt location and enable use of additional bearings on pivot rollers.
6. Additional bearings added to pivot rollers to further improve smooth operation of doors.
7. Aluminium track / threshold cover for master / access doors to prevent ingress of debris.
8. Aluminium edge trim to improve weather performance, aesthetics and expansion allowance.
9. Shoot bolt guide mouldings for French & Single Doors when used with room divider threshold.
10. Spare parts for various items that invariably get lost or damaged on site during installation.
11. New moulding for shootbolt adjustment (easier adjustment of shootbolt for fitters on site).
12. Opening out door restrictor to suit Bi-Fold, Flush French Door and Single Door.



Single Door



French Door



Size & Weight Limits

- Max sash width 1000mm
- Min sash width 600mm
- Max overall frame height 2430mm (with PVC threshold)
- Max sash weight 100kg (based on domestic location up to 1200pa)

DDA Requirements

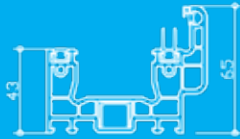
- Set handle height to comply with DDA as standard
- DDA compliant handle can be purchased from ERA direct
- Use low Ali threshold 104392 with 104391 ramps as required
- A traffic door sash with size of 850mm gives DDA clear opening 775mm

Gasket & Hardware Colour

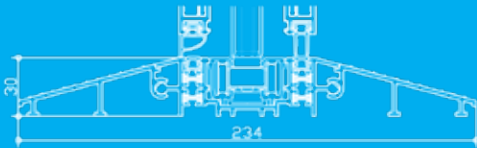
- Gasket – Black & White (No colour guarantee on White gasket)
- Pivot rollers and butt hinges – Black & White
- Handles and Escutcheons – Black, White, Gold, Chrome
- Magnets – Black, White, Gold, Chrome
- Lock and keep plates – Anodised Aluminium
- BSI Kitemarked cylinders – Brass & Chrome (40/40 split or half cylinder as required)

Note

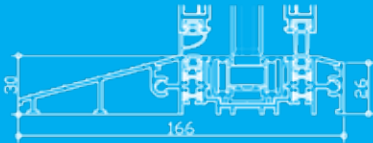
- New gasket seals for improved weather performance and thermal expansion (Re-designed for ease of fabrication and improved aesthetics)
- New handle designs introduced for master & intermediate doors
- All hardware developed with ERA security hardware
- New track and pivot roller design to ease operation
- Integral track to improve operation and prevent debris ingress (unlike externally mounted tracks)



PVC threshold



Low threshold with
int ramps



Low threshold with
one ramp



Room divider threshold

Manufacture

- Glazing options 28mm, 36mm, 40mm & 44mm
- Available in bevelled & sculptured sash
- Bi-Fold, French Door and Single Door products can be manufactured from the same profiles
- Outerframe can be fully welded or mechanically jointed to suit vehicle / property access
- 3 options of threshold - PVC, Aluminium (Part M compliant), Room divider (internal application only)
- All hardware locates into steel reinforcement
- Non handed lock and keep plate
- Uses T transoms from M70 suite (115mm, 82mm & 68mm) – bevelled suite only
- Jig free fabrication for ease of manufacture
- All hardware self-locates from corner mouldings
- Master door lock has flat hook design to allow for thermal movement without restricting operation
- 92mm handles can be used for French & Single Door applications (If used on Bi-Fold the master door will not sit flat when stacked)
- Option of large or small knuckle centre hinges to suit door aesthetics
- Intermediate door can be fitted with pull and turn or espag handle
- Espag handle is available in handle set to accommodate option of key locking on certain door styles to allow external access (using auxillary lock and euro cylinder)
- Suited cylinders available from ERA on request (See technical manual for full details)
- Ventilation can be accommodated via head of sash or via frame extensions (attention must be given to fitting detail / sash weights if frame extension used)
- Titon vents are available specifically for Bi-Fold application
- Threshold cover available for main traffic door (if appropriate)
- Internal and external threshold ramps available for part M compliance
- Single and double shoot bolt keeps for room divider threshold
- Aluminium edge trim and end cap introduced for main and French Door options (improves weather performance, aesthetics and expansion allowance)
- Door magnets available to secure doors when opened and stacked
- Opening out restrictor to suit Bi-Fold Door, Flush French Door and Single Door coming soon

Adjustment

- Vertical adjustment (pivot roller) +/-2mm (top pivot roller spring loaded for ease of operation)
- Hinges - Sash to sash -1mm to +2mm. Sash to frame +2mm
- Lock keep - Compression (front to back) +/-2mm. Lateral (side to side) +4mm
- Shoot bolt adjustment +/- 5mm

Width Range:

Minimum
710mm

Maximum
1110mm



1370mm 2050mm



1970mm 3110mm



2570mm 4050mm



3170mm 5050mm



3770mm 6000mm



4370mm 6000mm



Accreditations

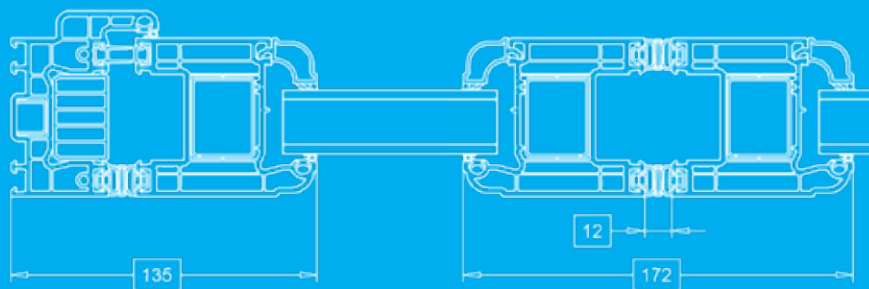
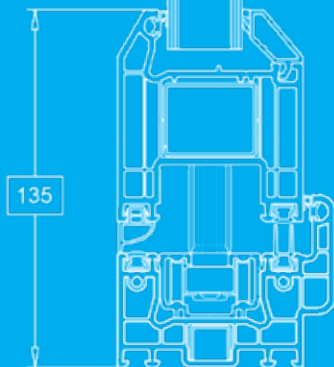
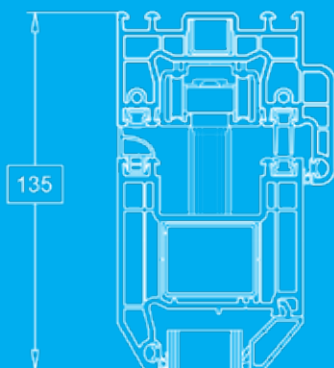
- Weather performance tested to BS6375-1:2009 = 450 Pascals (Using PVC threshold on Open Out door)
- Operation (cyclic operation) & strength to BS6375-2:2009 = Class 4 (Moderate use) 50,000 cycles
- Enhanced security testing to PAS24:2012 = PASS (When using all components specified by VEKA)
- Document Q compliant
- BSI Kitemark to BSEN12608 & PAS24
- Notification body, thermal performance (Buildcheck), typically:
- U-Value of 1.3 and WER rating A (+4) Standard Double Glazing
- U-Value of 0.90 and WER rating A+ (+14) 40mm Triple Glazing
- U-Value of 0.92 and WER rating B (-13) 40mm Triple Glazing (Reports available from technical department on request)
- Qualifies for ERA Five Star Guarantee

Note

- Design wind pressure classed as domestic only
- Not to be installed above three floors
- Not recommended to be installed in severe locations where design wind pressure is known to be 1200Pa or above
- First Bi-Fold in the UK to achieve BSI Kitemark

Colour Options

- See latest Variations for colour availability





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www.vekauk.com

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Farrington Road, Rossendale Road Industrial Estate, Burnley, Lancashire, BB11 5DA
01282 725390 | salesenquiry@veka.com | www.vekauk.com