

PVCu Bi-Fold Doors

Features

Frame Offering

- < 68mm outerframe with integrated track
- < 85mm sash with concealed hardware and gearing design.
- < PVCu rebated for Master door leaf.

Thresholds

- < Choice of aluminium thresholds 52mm and 30mm heights along with a 15mm x 160mm aluminium cill
- < 30mm threshold includes ramp options for disability access.

Weatherseals

- < A range of woolpile and high performance Q-Lon gaskets to suit all door combinations.

Styles

- < 13 door opening sequences from 2 to 6 panel options
- < Maximum sash width up to 1200mm wide and door heights of 2420mm.

Construction

- < Choice of welded and mechanical outerframe joints for kit fabrication
- < Steel reinforcement.

Glazing

- < 28mm and 36mm bead in single and double leg options.

Ancillaries

- < Comprehensive range of add-ons, couplers, corner posts, bay poles available to suit any installation.

Hardware

- < Master, flush, espag handles available plus door panel magnets
- < Concealed back and roller system
- < Secured By Design and Part Q specification available.



Colour Options

- < White PVCu
- < Cream Foil - 9001
- < Light Grey Foil - 7001
- < Slate Grey Foil - 7015
- < Dark Grey Foil - 7016
- < Black/Brown Foil - 8022
- < White Foil - 9010
- < Golden Oak - 8003
- < Mahogany - 8017
- < Rosewood - 8017
- < Irish Oak
- < Chartwell Green.
- < Foils supplied on appropriate coloured substrates, Grey, Brown, Cream, White and Tan

Thermal Performance

- < 1.4 to 1.6 'U' value with a combination of double and triple glazed units.

Ventilation

- < Proprietary ventilation devices can be used on all designs
- < A range of head details available including large outerframe, head extension and dedicated one piece head vent (see cavity closer for further details).

Test Results

Frame Type	Size	Air Permeability	Water Tightness	Wind Resistance	Standard	Accreditation Body
PVCu Bi-Folding Door	2700 x 2200	300Pa	300Pa	800Pa	BS6375-1:2009	BSI

Performance

Security

- < Bi-Fold hardware is a cassette design system which incorporates all the various locking systems to suit door opening sequences. The cassette system means the locks are housed in aluminium extrusions for added strength and ease of installation
- < Available to achieve Secured By Design status.

Thermal

- < A number of simulations have been carried out by 'approved' simulators at Duraflex providing a range of DER's for Doors following the introduction of doors to the Energy scheme in December 2011
- < 'U' value simulations have been carried out to ensure the revised Building Regulations of October 1st 2010 requiring a minimum 'U' value of $1.8 \text{ W/m}^2\text{K}$ ($1.6 \text{ W/m}^2\text{K}$ in Scotland). Further detailed simulations are being carried out and added to our already comprehensive portfolio.

General Features

- < **Q-Lon** - 99% compression recovery, high performance acoustic and weathersealing properties with lifetime guarantee. Operates perfectly in temperatures ranging from -20°C to 70°C
- < **Lead Free** - environmentally friendly, calcium organic lead free formulation
- < **Finishes** - comprehensive range of natural wood and solid colour foils
- < **Structural** - comprehensive range of coupling sections to suit various applications.

