

70mm Casement Window

Features

Frame Offering

- < Choice of 4 outer frame heights, 46mm, 58mm, 68mm and 83mm
- < Choice of 3 transom width - 63mm, 72mm and 86mm
- < 5 chamber outerframe and sash options
- < All sections available featured and bevelled
- < Available fully welded or mechanically jointed
- < Rebated and flush sash options.

Weatherseals

- < High performance Q-Lon gasket supplied in all mainframe sections with a manufacturer lifetime guarantee.

Thermal and Steel Reinforcing

- < Galvanised steel range to suit topography requirements
- < Aluminium range for mechanical joint requirements
- < All reinforcements are designed to achieve required security and weathering requirements, where required.

Finishes

- < Standard white and brilliant white, on non lead PVC-u
- < Range of solid colour and woodgrain foils.

Glazing

- < Choice of 4 glazing thicknesses - 24mm or 28mm for double glazed units. 36mm or 44mm for triple glazed
- < Astrical, Georgian bars in 20mm and 28mm widths.
- < Single leg bead options for 28mm and 36mm.



Ancillaries

- < Comprehensive range of add-ons, couplers, corner posts, bay poles available to suit any installation
- < Mock horns available, mechanically jointed for traditional aesthetics.

Hardware

- < Full depth eurogroove, accepts a comprehensive range of espagnolette and shootbolts.
- < Positioned to the inside of the sash allowing for night vent locking if required
- < Secured By Design and Part Q specification available.

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).

Thermal Performance

- < A range of A++ to C and 0.8 to 1.6 'U' value performance are achievable with the Duraflex Diamond Suite. See separate energy performance data sheet for details.

Test Results

Frame Type	Size	Air Permeability	Water Tightness	Wind Resistance	Standard	Accreditation Body
Projecting top hung	1200 x 1200 1300 x 1350	450Pa 300Pa	300Pa 300Pa	2400Pa 2400Pa	BS6375-1:2004 BS6375-1:2009	BSI BBA
Projecting side hung	800 x 1500	600Pa	300Pa	2400Pa	BS6375-1:2009	BBA
Projecting side hung externally glazed	700 x 1350	300Pa	Class E1050	2000Pa	BS6372-1:2004	BBA
Fixed Window	1900 x 1900	600Pa	300Pa	2000Pa	BS6375-1:2004	BSI
Mock Horn	900 x 1800	300Pa	Class E1050	2400Pa	BS6375-1:2004	BSI
Multilight (th/sh-f)	2400 x 1200	450Pa	Class E600	1200Pa	BS6375-1:2004	BSI

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Performance

Security

- < Range of hardware available with varying degrees of security, up to enhanced security and Secured By Design status
- < Glass clips for externally glazed windows also available to adhere SBD.

Thermal

1st October 2010 saw the minimum thermal requirement for domestic replacement windows set at a minimum WER of 'C' or a minimum 'U' value of 1.6 W/m²K.

A very large number of simulations have been carried out by 'approved' simulators at Duraflex providing a comprehensive range of WER's (Window Energy Ratings) for A++, A+, A, B and C ratings and 'U' values as low as 0.8W/m²K using the 'standard' European window style and size.

Acoustic

Acoustic testing has been carried out at Exova using standard sealed units and those comprising laminated glass, a maximum reduction of 41dB Rw was achieved. In addition testing has been carried out on windows fitted with ventilators in both open and shut situations and our Q-Lon seal enhances acoustic performance.

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.

