

70mm Casement Window

Features

Frame Offering

- < Choice of 4 outer frame heights, 46mm, 58mm, 68mm and 85mm
- < Choice of 3 transom width - 63mm, 72mm and 86mm
- < 5 chamber outer frame 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

- < Signature white on non lead PVCu
- < 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
- < Georgian bars in 20mm, 28mm and 50mm Dummy Transom widths
- < eZee 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 outer frame, 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.

Tested to BS 6375-1:2015

Air Permeability	Water Tightness	Wind Resistance
Class 4 600Pa	Class E 1050Pa	Class BE 2400Pa

Performance

Security

- < Range of hardware available with varying degrees of security, up to enhanced security and Secured by Design (SBD) status
- < Glass clips for externally glazed windows also available to adhere to 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 weather sealing 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
- < **Glazing Options** - internal and external
- < **Featured and Bevelled.**

