

# 70mm Reversible Window



Our fully reversible window is designed to be manufactured with casement, tilt & turn and side light combinations, making it the most versatile system on the market.

## Features

### Frame Offering

- < Choice of outerframe heights of 56mm, 68mm and 83mm
- < Choice of 2 transoms width - 72mm and 86mm
- < Dedicated sash and half frame section for all openers
- < Available with featured and bevelled frames and transoms.

### Weatherseals

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

### Reinforcing

- < Aluminium and galvanised steel range to suit topography requirements
- < Aluminium range for mechanical joint transom/mullion
- < Range of thermal reinforcements for higher 'U' value and ERP requirements
- < All reinforcements are designed to achieve required security and weathering specifications.

### Finishes

- < Standard white and brilliant white
- < 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.

### Ancillaries

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

### Maximum Sizes

- < The minimum/maximum sizes are based on the capability of the gearing and weather resting results are based on a single Reversible window with Large Outer Frame all around.

- Minimum width = 433mm
- Minimum height = 650mm

- Maximum width = 1421mm
- Maximum height = 1950mm

### Hardware

- < Dedicated multi-point lock which can achieve Secure By Design. Bespoke hinges to suit size and length.

### 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
Reversible Window	1350 x 1080	600Pa	600Pa	2400Pa	BS6375-1:2009	BBA

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## Performance

### Security

- < Secure By Design can be achieved by using multi-point lock and hinges. to suit required level of security
- < Comprehensive range of bespoke reversible hinges to all sash sizes.

### 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/m<sup>2</sup>K, doors in a similar situation are required to meet a minimum 'U' value of 1.8 W/m<sup>2</sup>K (1.6 W/m<sup>2</sup>K in Scotland).

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/m<sup>2</sup>K using the 'standard' European window style and size.

## 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.

