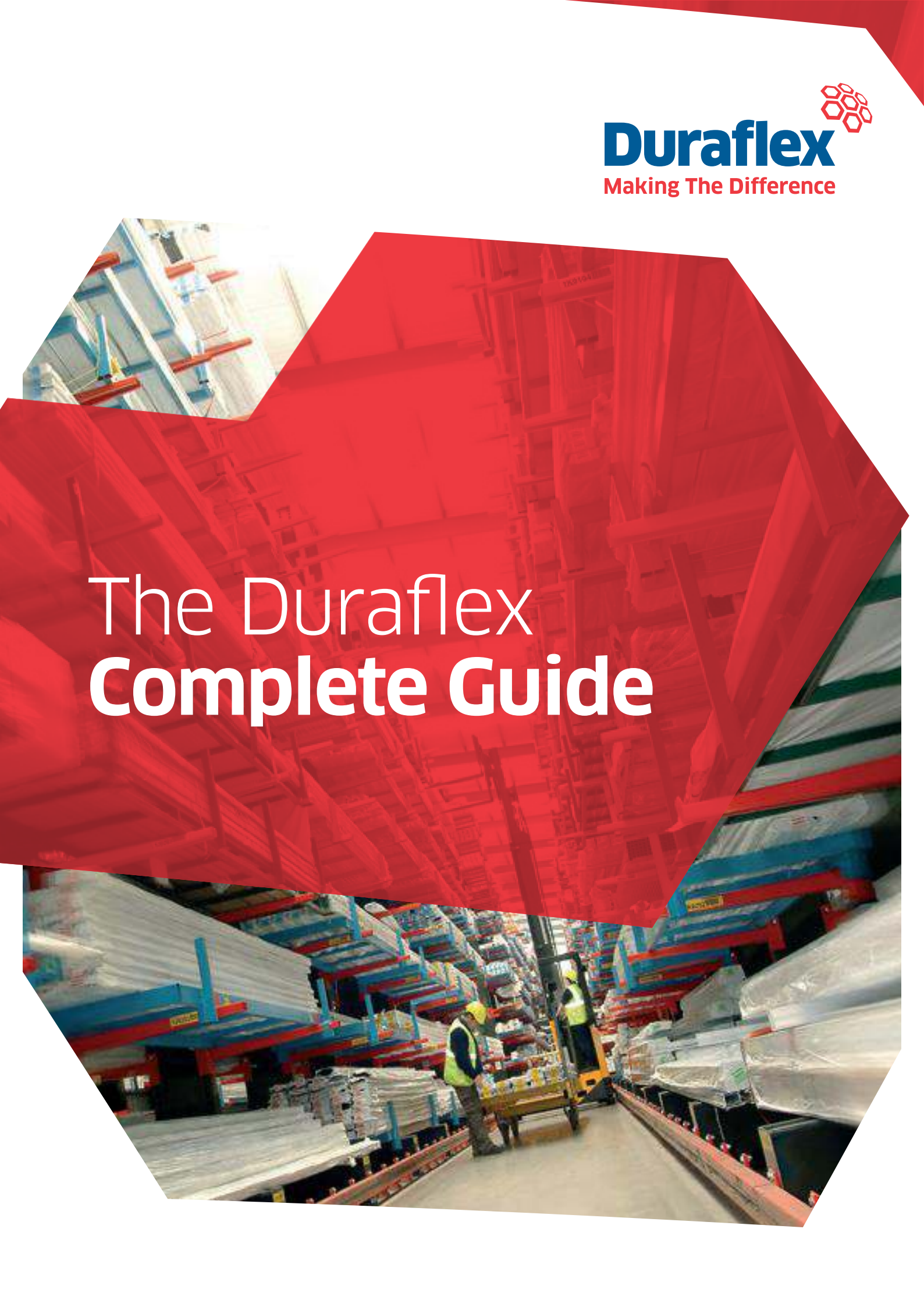




# The Duraflex Complete Guide

# 70mm French Door



## Features

### Frame Offering

- < 68mm standard outer frame with an 85mm option
- < A choice of 36mm, 46mm, 58mm and 68mm low PVCu threshold
- < Choice of 3 transom widths - 63mm, 72mm and 86mm
- < Choice of open in and open out sashes
- < Available fully featured or bevelled
- < Available fully welded or mechanically jointed transoms/midrails
- < Choice of 2 aluminium low thresholds, disability at 15mm high and refurb with access ramps at 24mm high
- < Dedicated one piece double door adaptor.

### Weatherseals

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

### Reinforcing

- < Galvanised steel range to suit requirements
- < Galvanised steel lock prep steel
- < Aluminium range for mechanical joints
- < All reinforcements are designed to achieve required security and wind loading requirements.

### Glazing

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

### Ancillaries

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

### Hardware

- < Fully depth eurogroove, accept comprehensive range of multi-point locks
- < Compatible with a range of knuckle, rebate and flag hinges, including slave locking shootbolts and fingerbolts
- < 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).

## Tested to BS 6375-1:2015

| Air Permeability | Water Tightness | Wind Resistance |
|------------------|-----------------|-----------------|
| Class 2 300Pa    | Class 8A 450Pa  | Class A3 1200Pa |

## Performance

### Security

- ◀ Choice of multi-point high security locks along with pencil, rebate and flag hinge options
- ◀ Slave door lock options to include shootbolts activated by central handle or top and bottom finger bolts
- ◀ 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 W/m<sup>2</sup>K (1.6 W/m<sup>2</sup>K in Scotland). Further detailed simulations are being carried out and added to our already comprehensive portfolio.

### Acoustic

Acoustic testing has been carried out at Exova using standard sealed units and those comprising laminated glass, a maximum reduction of 37dB Rw has been achieved.

## 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
- ◀ **Featured and Bevelled**
- ◀ **Mechanical Corner Joint** - for Aluminium threshold.

