

# Aluminium Steel Replacement **Royale Window**

Slim-line, Stylish & Easy To Install Steel Replacement Window



## Duration Windows

Units 4-5,  
Charfleets Road,  
Canvey Island,  
Essex. SS8 0PQ

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**DURATION WINDOWS**

Supplying high quality aluminium products since 1985

# The Royale

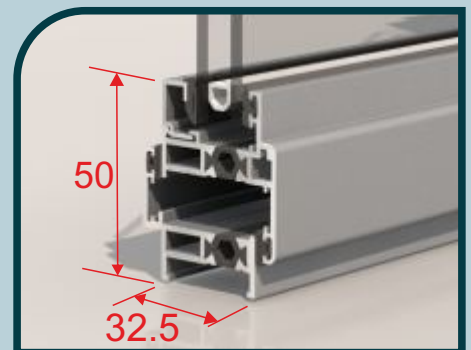


At just 32.5mm front to back, our new Royale Steel Replacement Windows are the slimmest thermally broken aluminium window system on the market. With such slim profiles replacing steel windows has never been easier - with no cutting back of plaster, brick or wooden sub-frames, speeding installation and reducing costs.

Our Royale Windows use the latest polyamide thermal break, which makes them highly thermally efficient. They exceed the current building regulations with excellent thermal values. The window is not only thermally efficient, but it is also highly secure with the accreditation of Secured by Design, with modern high security locking. We also can provide a range of authentic hardware which includes modern multipoint locking or Cockspur locking with peg stays.

## Features

- Our aluminium window is the perfect affordable replacement for Crittall's W20 Steel Window.
- Secured by Design\*
- Maintenance free aluminum.
- Slim thermally broken aluminium profiles with a depth of just 32.5mm.
- Ease of installation - no cutting back plaster, brick or existing subframes.
- Can be installed into existing or new timber subframes or direct to brick.
- Ultra slim sight-lines
- Fixed lites of just 25mm, vents of just 50mm & 13.25mm visible frame.
- Available at a much reduced cost when compared to steel windows.
- Highly secure with modern locking & can be tape glazed upon request.
- All internally glazed with high specification, Krypton gas filled double glazed sealed units.
- Uses the latest polyamide break to achieve excellent U-Values in-line with current building regs.
- The aluminium sections can have welded corners (upon request) to further increase authenticity.
- Suitable for use in period properties, listed buildings, heritage and conservation areas.



Slim Front To Back Measurement



\*When using friction hinges and the multi point locking

**Visit Our Website: [www.duration.co.uk](http://www.duration.co.uk)**



Air  
Permeability



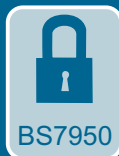
Water  
Tightness



Wind  
Resistance



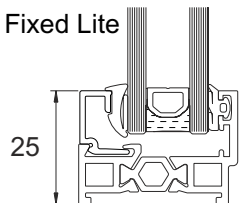
High  
Security



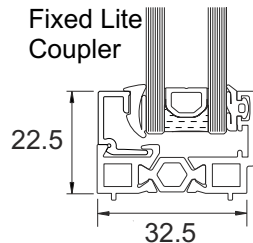
WER



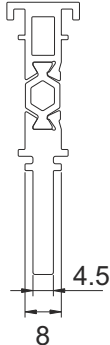
Fixed Lite



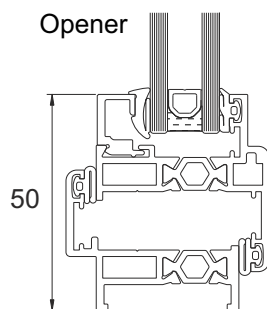
Fixed Lite  
Coupler



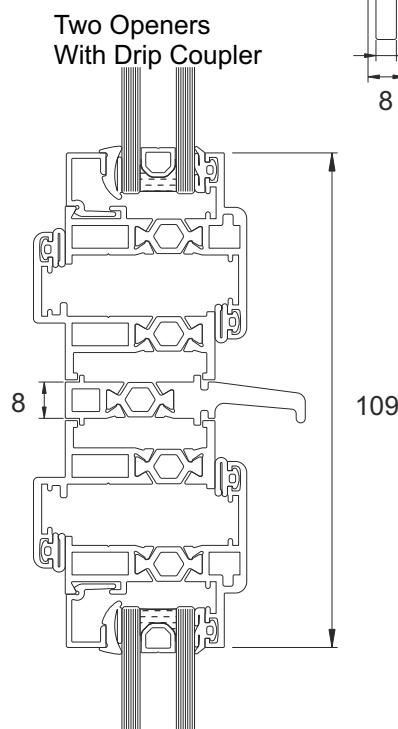
Coupling Bar



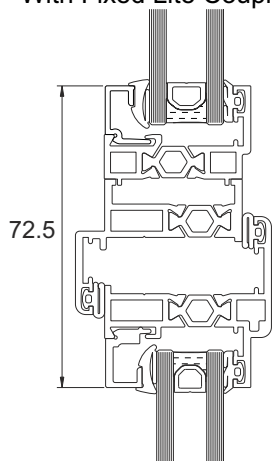
Opener



Two Openers  
With Drip Coupler



Opener Coupled  
With Fixed Lite Coupler



Drip Bar Coupler



Slimmest Heritage Window



Authentic Dummy Parliament Hinges



Authentic Furniture

## Recommended Sizes

Top Hung (mm)	
Min. Width	350
Max. Width	1250
Min. Height	350
Max. Height	1250

Side Hung (mm)	
Min. Width	350
Max. Width	650
Min. Height	350
Max. Height	1250



Join Opening & Fixed Windows Without A Coupling Bar - Keeps Sight-lines Slim.

**Call Us Today: 01268 681612**



#### **Air Permeability - achieved 600Pa, classification 4**

Test measures how much air leaks through the window under pressure.

Classification 4 is the highest (toughest) classification on the scale of 0 – 4. To achieve classification 4 you apply the highest pressure allowable (600Pa) and the air leakage must be less than the toughest (smallest) allowable limit of the test. An inferior class 3 or 2 classification would mean that more air leakage occurred at the pressure.

600Pa is 69-70mph winds or “violent storm” on the Beaufort scale.



#### **Water Tightness – achieved 900Pa, classification E900**

Test measures at what wind pressure does water start to leak through the window.

900Pa pressure was applied with no water leaks.

Standard test pressures are up to 600Pa, E900 shows the window exceeded the highest standard 600Pa test pressure by 50% - achieving 900Pa.

900Pa is 85mph winds or “hurricane” on the Beaufort scale.



#### **Wind Resistance – achieved 2000Pa, classification C5**

Test measures resistance to bending under load and the amount of permanent deformation.

C5 is the highest test – it uses the tests maximum 2000Pa pressure and the window deflects (bends) less than is allowed by the most stringent (least) amount.

2000Pa is 126-127 mph winds or “hurricane” on the Beaufort scale.



#### **High Security**

Achieved Secured by Design Certification.

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