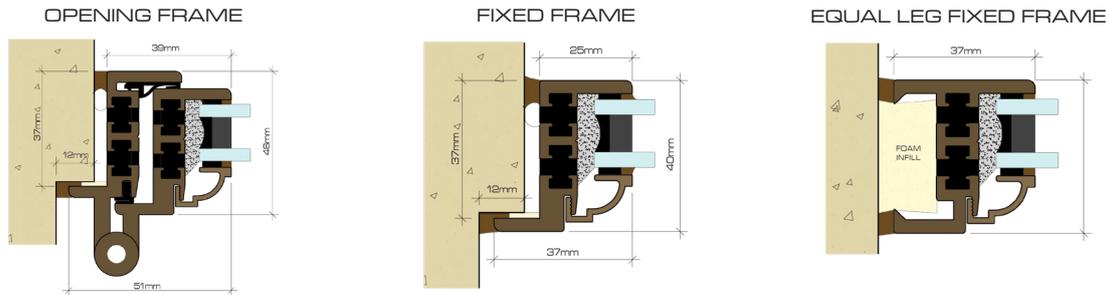


architectural BRONZE CASEMENTS

THERMABRONZE™ DATA SHEET

The Thermabronze™ system has been designed as a solution to the current energy saving requirements within Building Regulations, featuring a double thermal break within our characteristic slim frame for enhanced thermal performance. The frame incorporates a decorative bronze bead that secures the glass in place, double weather seals and will accept 18mm double glazed units. A range of decorative ironmongery complements the handcrafted, bespoke nature of the product.



DIMENSIONS

Frame depth	40mm
Fixed light sightline (internal)	25mm
Opening casement sightline (internal)	39mm

FEATURES

Suitable for side and top hung casements and fixed lights.

U-VALUE (Pending ratification)

U-value performance based on an 18mm double glazed unit made up of 4mm float/10mm 90% Krypton filled cavity/4mm Planitherm total + with warm edge spacer:

Fixed casement overall value	1.4W/m ² K
Opening casement overall value	1.5W/m ² K
Centre pane value	1.1W/m ² K

When incorporating a genuine Georgian bar add 0.4 to the U-value.

U-values calculated in accordance with BS EN ISO 10077-1:2006 based upon a single fixed light sample 1230mm x 1480mm and a single opening light sample 1230mm x 1480mm.

PART Q SECURITY

Tested with scroll handles, plain backplates, manor stays and Part Q casement locks. Below test carried out on windows measuring maximum 1700mm x 650mm.

U-VALUE

Fixed casement overall value	1.5W/m ² K
Opening casement overall value	1.6W/m ² K
Centre pane value	1.2W/m ² K

Side opening and fixed casements | Pass

RECOMMENDED DESIGN LIMITS

Side hung casement	Max O/A width	650mm
	Min O/A width	300mm
	Max O/A height	1700mm

Casements over 1100mm high will require 2 handles. Where width is greater than height, casement sash must be top hung.

Top hung casement	Max O/A width	1200mm
	Min O/A width	300mm
	Max O/A height	500mm
	Min O/A height	300mm

Fixed lights	Max O/A width	1200mm
	Max O/A height	2400mm

The inclusion of opaque glazing and abutment details may alter the above performance data and design limits. Please contact our sales team to discuss any requirements outside of the standard size limits detailed above.

WEATHER RATING

BS 6375 Part 1

Exposure categories measured in pascals

UK exposure category | 2000

Air permeability		Watertightness	
Class	Maximum test pressure	Class	Maximum test pressure
4	600 Pa	8A	450 Pa

Resistance to wind load			
Class	P1	P2	P3
A5	2000	1000	3000

The above tests are carried out on side-hung outward opening windows measuring 1700mm x 650mm and are tested excluding any additional security features.