



Optio

# 58BW Casement Window

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Experts in Aluminium

**ALUK**<sup>®</sup>

# 58BW Casement Window



Built to the highest UK standards, this effective and high performance solution offers clean lines and advanced functionality. Available in either 58mm or 70mm frame depth, casement windows are the perfect choice for both residential and light commercial projects, whether new build or renovation. Windows can also be made to project in or out.



## DESIGN FEATURES

- Certified under the Secured By Design scheme
- Tested to PAS 24
- Green guide rated A
- Integrated deep head profiles for ease of trickle ventilation
- Unique polyamide thermal break design to improve thermal performance

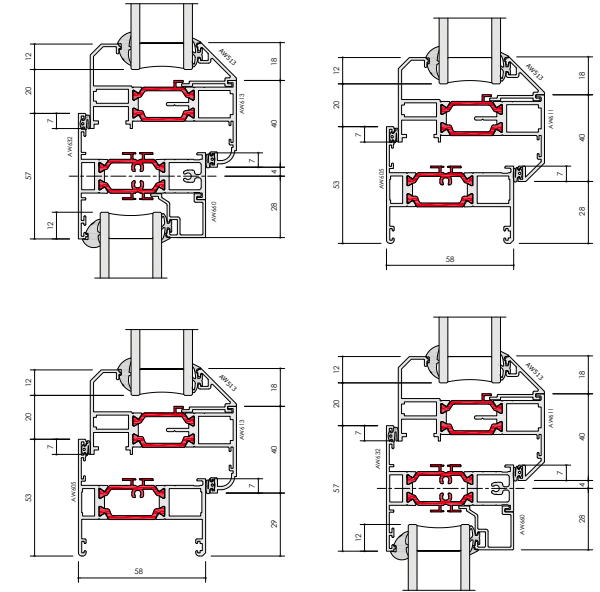
## OPTIONS

- 58mm or 70mm frame depth to accommodate varying types of applications
- Project in or project out options
- Internally or externally glazed to accommodate low and high rise projects
- Glazing 24mm – 40mm
- Available in a range of single or dual colour and anodised finishes
- Available in the following aesthetics: Bay, Chamfered, Square and Ovolo
- Available in the following configurations: top hung, side hung, bottom hung, fixed light, multi-light and French casement
- Available for Lifetime Homes (LFT)
- Double beaded option allowing for internal glazing without the use of dummy vents
- Dedicated fixing straps for ease of installation
- Designed with a Euro groove to accommodate standard locking hardware

## SPECIFICATIONS

Performance and accreditation	Outward opening
U-value (double glazing)	1.4 W/m <sup>2</sup> K
U-value (triple glazing)	1.2 W/m <sup>2</sup> K
Window energy rating (WER)	B - C
Green guide rating	A rated
Acoustic performance (dB)	Rw (C;Ctr) 42 (-1;-5) dB
Air tightness (Pa)	Class 4 (600 Pa)
Water tightness (Pa)	Class 9A (600 Pa)
Wind load (Pa)	Class E2400 (2400 Pa)
Security	PAS 24
3rd party certification	Q-mark
Secured by design	Yes
Configurations	Opening
Opening	Open out
Top hung	✓
Side hung	✓
Bottom hung	✓
Fixed light	✓
Multi-light	✓
French casement	✓
Size limits	
Top hung (max weight)	180 Kg
Side hung (max weight)	55 Kg
Bottom hung (max weight)	60 Kg (3 hinges)
Fixed light (max weight)	250 Kg
System features	
Frame depth	58mm and 70mm
Dual colour option	✓
Multi-point locking	✓
Glazing options	Internal and external bead
Glazing thickness	24mm - 40mm
Sightline (Frame to Vent)	75mm
Sightline (Vent to Mullion)	89mm
Sightline (Fixed Light)	43mm
Aesthetics	
Bay	✓
Chamfered	✓
Square	✓
Ovolo	✓

## CAD CROSS SECTIONS



➤ Ovolo      ➤ Chamfered      ➤ Square

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U-value (Double Glazing) - Windows are calculated using EN ISO 10077 - Part 2, 1230mm x 1480mm Side hung next to fixed light with Ug: 1.0 W/m<sup>2</sup>K using AW603 outerframe and AW610 vent  
 U-value (Triple Glazing) - Windows are calculated using EN ISO 10077 - Part 2, 1230mm x 1480mm Side hung next to fixed light with Ug: 0.7 W/m<sup>2</sup>K using AW603 outerframe and AW610 vent  
 Green Guide Rating - Calculated using the Green Guide 2008 ratings for domestic windows. Powder Coated Aluminium window (Profile <0.88kg/m) double glazed  
 Acoustic Performance (dB) - Tested using AW605 outerframe and AW620 vent, 10/16/8.4mm Acoustic Laminated Glass  
 Top Hung (max weight) - Based upon Sterling SP126 Top hung friction stay  
 Side Hung (max weight) - Based upon Securstyle Sterling SPSH16 side hung friction stay  
 Bottom Hung (max weight) - Based upon 3 x RW20M hinges