



Optio

58BW Casement Window

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Experts in Aluminium

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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

U-value (double glazing)
U-value (triple glazing)
Window energy rating (WER)
Green guide rating

Acoustic performance (dB)
Air tightness (Pa)
Water tightness (Pa)
Wind load (Pa)

Security
3rd party certification
Secured by design

Configurations

Opening
Top hung
Side hung
Bottom hung
Fixed light
Multi-light
French casement

Size limits

Top hung (max weight)
Side hung (max weight)
Bottom hung (max weight)
Fixed light (max weight)

System features

Frame depth
Dual colour option
Multi-point locking
Glazing options
Glazing thickness
Sightline (Frame to Vent)
Sightline (Vent to Mullion)
Sightline (Fixed Light)

Aesthetics

Bay
Chamfered
Square
Ovolo

Outward opening

1.4 W/m²K
1.2 W/m²K
B - C
A rated

Rw (C:Ctr) 42 (-1:-5) dB
Class 4 (600 Pa)
Class 9A (600 Pa)
Class E2400 (2400 Pa)

PAS 24
Q-mark
Yes

Open out

✓
✓
✓
✓
✓
✓

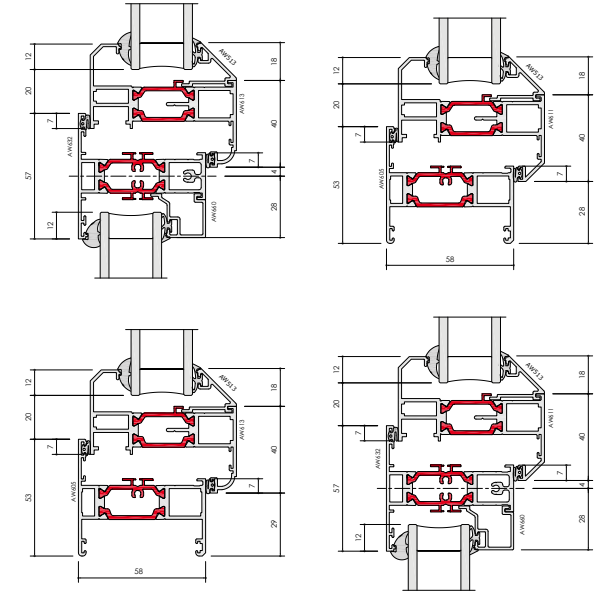
180 Kg
55 Kg
60 Kg (3 hinges)
250 Kg

58mm and 70mm

✓
✓
Internal and external bead
24mm - 40mm
75mm
89mm
43mm

✓
✓
✓
✓

CAD CROSS SECTIONS



➤ Ovolo

➤ Chamfered

➤ Square

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/m²K 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/m²K 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 Securistyle Sterling SPSH16 side hung friction stay
Bottom Hung (max weight) - Based upon 3 x RW20M hinges