

Optio

58BW ST Heritage

The look of steel, the benefits of aluminium.
A win-win for designers and homeowners alike.

Featuring industry-leading build quality, our 58BW ST aluminium windows are an ideal replacement for existing steel windows.

In addition to impressive high thermal and acoustic performance, the design also replicates the minimal sightlines associated with steel windows, whilst providing superior performance and security.



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
- › Slim sightlines to match existing steel window
- › Internally beaded for ease of glazing on highrise projects

OPTIONS

- › 58mm or 70mm frame depth to accommodate varying types of applications
- › Internally or externally glazed
- › Glazing 24mm – 32mm
- › Available for Lifetime Homes (LFT)
- › Available in a range of single or dual colour and anodised finishes
- › Available in the following aesthetics: Stepped Edge, Square and Putty Line
- › Available in the following configurations: top hung, side hung, bottom hung, fixed light, multi-light and French casement
- › Double headed option allows for internal glazing without the use of dummy vents
- › Accommodates standard hardware



› Square



› Putty Line



› Stepped Edge

SPECIFICATIONS

Performance and accreditation	Outward opening
U-value (double glazing)	1.4 W/m²K
U-value (triple glazing)	1.2 W/m²K
Window energy rating (WER)	A - B
Green guide rating	A rated
Acoustic performance (dB)	Rw (C;Ctr) 43 (-2;-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	Open out
Top hung	✓
Side hung	✓
Bottom hung	✓
Fixed light	✓
Multi-light	✓
French casement	✓

Size limits

Top hung (max weight)	35 Kg
Side hung (max weight)	24 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
Glazing thickness	24mm - 32mm
Sightline (Frame to Vent)	66mm
Sightline (Vent to Mullion)	81mm
Sightline (Fixed Light)	43mm

Aesthetics

Putty Line	✓
Stepped Edge	✓
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 AW614 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 AW685 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 AW604 outerframe and AW685 vent, 8/16/8.8mm Acoustic Laminated Glass
Top Hung (max weight) - Based upon Nico 24" Standard top hung friction stay
Side Hung (max weight) - Based upon Nico 16" Standard side hung friction stay
Bottom Hung (max weight) - Based upon 3 x RW20M hinges

CAD CROSS SECTIONS

