

58BW ST Steel Replacement System

Ideal for projects where planning or design requires the installation of sympathetic materials, our 58BW ST Steel Replacement Window System provides the look of steel with the benefits of aluminium. Designed to replace and complement existing steel windows, the range has been specifically developed for use on listed buildings, warehouses and similar buildings, where steel windows have always traditionally been fitted.

Available in a wide range of styles including Top Hung, Side Hung, Fixed Light and French Casement, the system cleverly replicates the narrow sight lines associated with steel windows whilst providing superior performance and security. The system also includes hardware that is sympathetic to traditional steel window designs.

The range is available in a wide range of standard and RAL colours. Anodised finishes are also available, with marine grade guarantees on request.

DESIGN FEATURES

- › Slim sightlines to match existing steel windows
- › Internally and externally beaded for ease of site glazing on high-rise applications
- › Unique polyamide thermal break design to improve performance
- › Integrated deep head profiles for ease of trickle ventilation
- › Accommodates standard hardware including friction stays and shoot bolt locking
- › Certified under the Secured By Design scheme
- › Ideal for Heritage, Listed Buildings and steel window replacements

OPTIONS

- › Accommodates up to 28mm glazing units for thermal and acoustic performance
- › Casement clips available for easy fit and removal of dummy vents
- › Dedicated fixing straps for ease of installation
- › Four different sash profiles to achieve design and planning permission requirements
- › Available in single or dual colour polyester powder coating, texture and anodised finishes



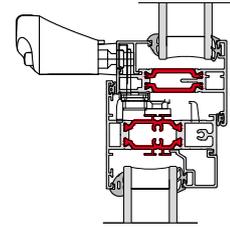
SPECIFICATIONS

PERFORMANCE AND ACCREDITATIONS	
U-Value (Double Glazing) (Ug: 1.0 W/m ² K)	1.4 W/m ² K
U-Value (Triple Glazing) (Ug: 0.7 W/m ² K)	1.2 W/m ² K
Window Energy Rating (WER)	A - B
BRE Green Guide Rating	A rated
Air Permeability	Class 4 (600 Pa)
Water Tightness	Class 9a (600 Pa)
Wind Resistance	Class E2400 (2400 Pa)
Acoustic Performance	Rw (C;Ctr) 43 (-2;-5) dB
Security	PAS 24 & SBD
3rd Party Certification Q-Mark	✓
SYSTEM	
Depth	58mm & 70mm
CONFIGURATIONS	
Opening	Open-Out
Top Hung	✓
Side Hung	✓
Bottom Hung	✓
Fixed Light	✓
Multi-Light	✓
SIZE AND WEIGHT LIMITS	
Top Hung	
Max Size (mm)	1400w x 1200h
Min. Size (mm)	350w x 250h
Max Weight	35kg
Side Hung	
Max Size (mm)	700w x 1400h
Min. Size (mm)	300w x 350h
Max Weight	26kg
Bottom Hung	
Max Size (mm)	-
Min. Size (mm)	-
Max Weight	50kg (2 hinges)
Fixed Light	
Max Size (mm)	-
Min. Size (mm)	-
Max Weight	250kg
GLAZING	
Glazing Options	Internal & external
Glazing Thickness**	25mm-28mm
SYSTEM FEATURES	
Single Colour	✓
Dual Colour	✓
Textured Finish	✓
Anodised Finish	✓
Multi-Point Locking	✓
Sightline (Frame To Vent)	66mm
Sightline (Vent To Mullion)	79mm
Sightline (Fixed Light)	43mm

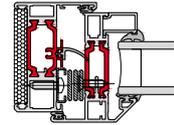
CAD CROSS SECTIONS AND THERMAL PROFILE

Additional details are available on request.

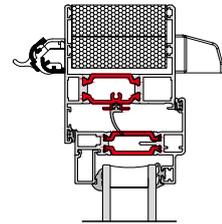
58BW ST Flat



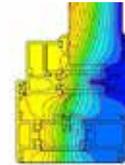
58BW ST Jamb



58BW ST Head



58BW ST Thermal Profile



**Glazing thickness: Other thicknesses may be possible dependant on profile combinations specified. Fabricators should refer to AluK technical manual glazing section for details.