



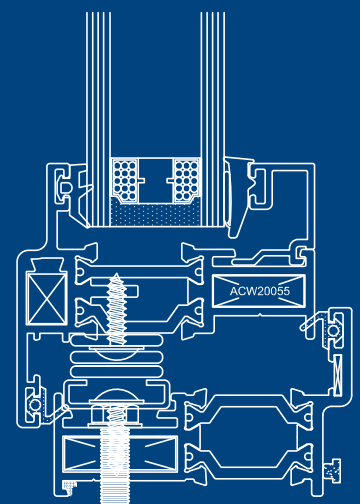
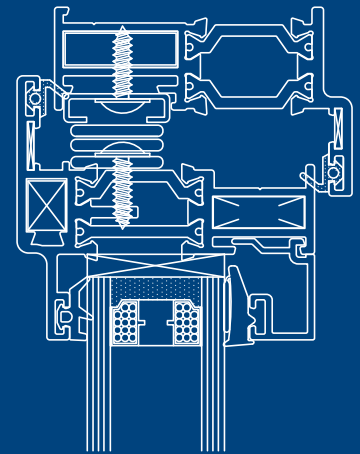
Further documentation available at
www.marlinwindows.co.uk/alitherm-heritage-47-windows.html

smart
architectural aluminium

Alitherm Heritage

The ideal window and door solution for heritage applications such as listed building renovations where planning regulations demand a like-for-like replacement window with optimum thermal performance.

- Window Energy Rating B
- U Value 1.5 W/m²K (using sealed unit 1.0 W/m²K)
- BS 6375 Part 1: 2009 Resistance to Weather



Alitherm Heritage Window

Alitherm Heritage provides the ideal solution for heritage applications such as listed building renovations and large scale replica-refurbishment projects where planning constraints are to be considered.

The Alitherm Heritage window is designed to be built as a series of horizontal modules which can be stacked using horizontal couplers to form a multi-part window featuring a specially design drip bar between modules.



Application

- Fixed windows
- Single or double sash, side hung open out casements
- Top hung open out casements
- Pivot windows

Features

- Polyamide thermal break provides enhanced thermal performance
- Designed as a direct replacement for steel windows

Finish

Single or dual colour, marine quality polyester powder coat as standard

Technical Performance

| | |
|-------------------|---|
| WER Rating | B |
| U Value | 1.5 W/m ² K (using sealed unit 1.0 W/m ² K) |

Document L Compliant

Dimensions

| | |
|--------------------|-------------------------|
| Frame Depth | 47mm |
| Glass | 24mm, 28mm, 32mm & 36mm |

Test Certification

BS 6375 Part 1: 2009 Resistance to Weather

Recommended Design Limits

Side Hung Vent Max o/a width: 700mm
 Side Hung Vent Min o/a width: 300mm
 Side Hung Vent Max o/a height: 1400mm
 Maximum Vent weight: 40kg

Top Hung Vent Max o/a width: 1400mm
 Top Hung Vent Max o/a height: 1300mm
 Top Hung Vent Min o/a height: 275mm
 Maximum Vent weight: 35kg

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Alitherm Heritage Door

The Smart Alitherm Heritage door is the ideal replacement for steel balcony doors on heritage applications such as building renovations or apartment conversions. The Alitherm Heritage door provides the solution for conservation areas where planning regulations require a like-for-like product replacement.

Alitherm Heritage door profiles feature the system's signature slim sightlines and elegant lines that complement Smart's existing Alitherm Heritage window and mimic those of steel doors. The system has all the advantages of modern aluminium profiles that feature polyamide thermal breaks, allowing the system to achieve a U Value of 1.5 W/m²k when installed with a suitable sealed unit.



Application

- Single or double doors

Features

- Slim sightlines
- Tape or gasket glazed
- Multi point locking and face mounted shoot bolts

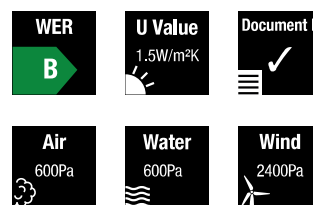
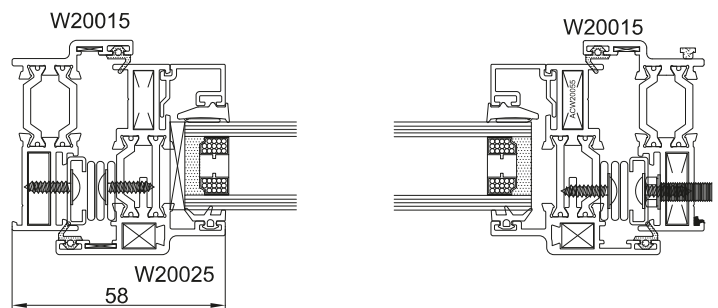
Technical Performance

| | |
|----------------|---|
| U Value | 1.5 W/m ² K (using sealed unit 1.0 w/m ² K) |
|----------------|---|

| | |
|---------------------------|-------------|
| Glass | 24mm – 32mm |
| Typical Sightlines | 59mm |

Recommended Design Limits

| | |
|-------------------|--------|
| Max Width | 900mm |
| Max Height | 2100mm |



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