



Images shown illustrate a type of application suitable for the product and are not binding in technical specification or detail.



## Alitherm Heritage HD

Alitherm Heritage HD is designed to provide a solution where heritage projects require a larger opening sash size than offered by a standard Alitherm Heritage casement window.

The Alitherm Heritage range is designed to meet the needs of refurbishment and renewal projects, particularly in sensitive planning areas. Ideal for Victorian, Edwardian and Art Deco projects, its range of windows is proven in a wide range of renovation, refurbishment and heritage projects across the UK, providing a modern, high-performance replacement for traditional steel windows and doors.

- Offers larger opening sash sizes
- 1.5 W/m<sup>2</sup>K (using sealed unit 1.0 W/m<sup>2</sup>K)
- WER B



Smart are the UK's leading supplier of window and door systems. With over 40 years' experience, we take great pride not only in the quality, breadth and depth of our product range, but also in our design expertise and support services. To find out more about our products visit [www.smartsystems.co.uk](http://www.smartsystems.co.uk).



BES 668681



FM21582



EMS554307



OHS571955



ENMS634370



# Alitherm Heritage HD

Suitable for side hung, top hung and fixed windows, Alitherm Heritage HD features the same traditional aesthetics and slim sightlines the range is recognised for. The system incorporates Sterling hinges and new longer locking rods that allow opening sash sizes to be increased to meet the specified requirements of individual projects.

Our Alitherm Heritage ranges are available with a full suite of hardware options, with products specifically designed to match window furniture that is synonymous with Victorian and Art Deco styles – including 'Monkey Tail' and 'Bulb' options.



## Application

- ◆ Fixed Windows
- ◆ Single or double sash, side hung open out casements
- ◆ Top hung open out casements

## Features

- ◆ Polyamide thermal break provides enhanced thermal performance
- ◆ Designed as a direct replacement for steel windows
- ◆ A range of high quality modern, traditional and Art-Deco hardware is available

## Finish

Single or dual colour, marine quality powder coat as standard

## Technical Performance

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

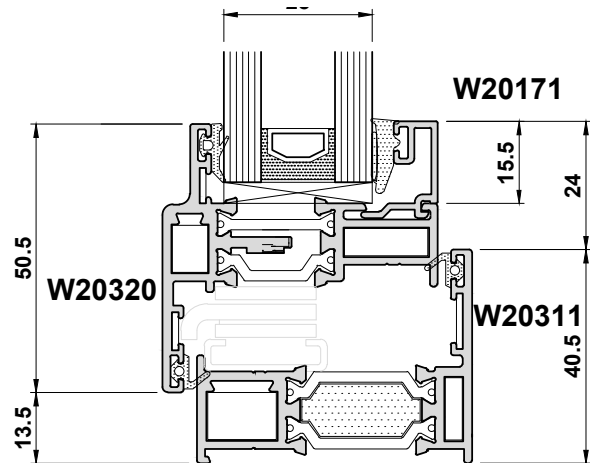
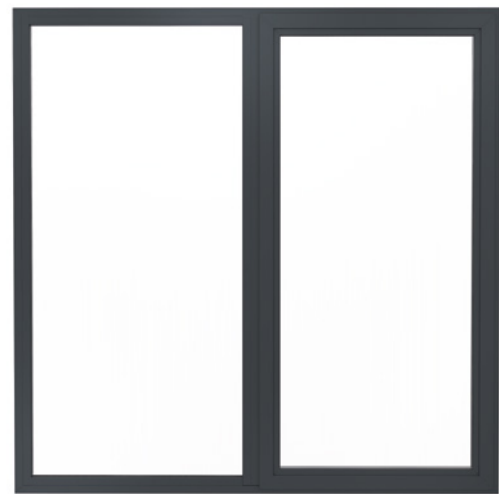
## Dimensions

|                    |   |
|--------------------|---|
| <b>Frame Depth</b> | 52mm  |
| <b>Glass</b>       | 24mm, 28mm, 32mm & 42mm<br>(depending on section selection) |

## Document L Compliant

## Test Certification

|                 |             |
|-----------------|-------------|
| <b>Security</b> | PAS24: 2016 |
|-----------------|-------------|



| Window Type  | Maximum Width (mm) | Maximum Height (mm) | Maximum Weight (kg) | Air Permeability Classification | Watertightness Classification | Resistance to Wind Classification |
|--|--------------------|---------------------|---------------------|---------------------------------|-------------------------------|-----------------------------------|
| For sizes outside these parameters, contact the Smart Technical Support team.<br>Design limitations tested to PAS 24 are noted below. Maximum design limitations outside of these dimensions are in the process of being tested. |                    |                     |                     |                                 |                               |                                   |
| Side Hung <small>(Tested to PAS 24)</small>  | 600                | 1400                | 40                  | Class 4                         | Class 7A                      | Class AE2400                      |
| Side Hung  | 838                | 1750                | 55                  | TBA                             | TBA                           | TBA                               |
| Top Hung <small>(Tested to PAS 24)</small>   | 1400               | 1300                | 40                  | Class 4                         | Class 7A                      | Class AE2400                      |
| Top Hung   | 1750               | 2500                | 180                 | TBA                             | TBA                           | TBA                               |