



### Key Benefits

- Flush style for more traditional applications
- Internally beaded for ease of maintenance (i.e. reglazing from the inside)
- 28mm double glazed units for improved energy and acoustic performance. Triple glazed option available
- 10 year guarantee on factory glazed units
- Double weatherseal for greater weather performance
- U-values (for the whole window) lower than 1.5W/M<sup>2</sup>k achievable (where specified)
- Certified to PAS24 : 2012 Enhanced Security standards with Secured by Design certification available
- Water based, virtually solvent free, environmentally friendly micro-porous paints and preservation system
- Available in both FSC® & PEFC softwood and hardwood options



Inside view



SBD approved reverse action cam locking espagnolette system needs to include shoot bolts for SBD



Modern Austenitic stainless steel friction hinges



Handle finish options available are white, black, gold or chrome



Traditional style, flush fitting sash



# Hathaway™ casement window features

The standard features of our Hathaway™ casement window range include:

|                                |   |
|--------------------------------|---|
| <b>BEADING</b>                 | Internally beaded as standard, external beading as an option. Puttyline bead is used as standard, with Full Ovolo, Half Ovolo, Square and Lambs tongue mouldings available as options.  |
| <b>CILL OPTIONS</b>            | Flush, stub, standard and extended cills are available.   |
| <b>DRAUGHT PROOFING</b>        | All windows are supplied with white draught proofing to painted colours and brown draught proofing to stained windows unless a specific colour (white or brown) is specified using high quality weatherseal technology. Draught proofing utilises a unique double gasket system to facilitate improved drainage and weather resistance.                                       |
| <b>TIMBER</b>                  | FSC® or PEFC certified. European softwood and a range hardwoods available generally in laminated profiles.  |
| <b>GLAZING</b>                 | Designed to accommodate a 28mm unit, 4mm clear outer panel, 4mm clear inner with a low emissivity coating to one panel to comply with Part L of the Building Regulations. Units are glazed in a GGF approved factory glazing facility using kite marked double glazed units. Triple glazed option available.  |
| <b>HANDLES</b>                 | White, Black, Gold (Brass effect), Anodised Silver (Satin Chrome) and Chrome ironmongery options are available.   |
| <b>HANDING</b>                 | In instances where windows or doors are not symmetrical we can supply them with opposite handing.   |
| <b>HINGES</b>                  | Austenitic stainless steel friction stays (BBA Certified) are used as standard. Optional hinges include high security restricted, heavy duty, egress, easy-clean and storm-proof hinges. Anti-jemmying locking wedges located on the hinge stile are all optional.  |
| <b>LOCKING</b>                 | Minimum 2 point twin cam security (TSL) espagnolette locking system with key locking handle (unless non-locking is required) with night ventilation position. Fire escape (egress) and low-level handle options are available if required.  |
| <b>MANUFACTURING STANDARDS</b> | All windows and doors are manufactured to BS644. All joints to sashes and frames have glued and pinned comb joints. Transom drops for fan lights will be manufactured to a set drop of 350mm unless otherwise specified. All mullions will be positioned centrally.   |
| <b>PAINT FINISH</b>            | Factory semi-finished as standard (incorporating one base coat and one white top coat, or one base coat stain and one top coat stain). Final top coat and other colours available at additional cost.   |
| <b>PRESERVATION</b>            | All softwood windows are supplied with factory applied Boron preservative treatment. This provides a 35 year guarantee against rot and fungal attack assuming maintenance and care advice is followed. As a very low VOC and water based preservative system, it is significantly more environmentally friendly than traditional vacuum impregnated solvent based treatments. |
| <b>TOLERANCE</b>               | SPS Timber Windows' will manufacture products to customers' specified order size. If required, it is recommended that customers ensure a fitting tolerance is specified at time of order.   |
| <b>VENTILATION</b>             | 1nr or 2nr white or brown trickle ventilators per window located in the frame head. Any frame below 925mm wide can have a maximum 1nr trickle vent. Any frame 925mm and above can have either 1nr or 2nr trickle vents. In areas of mobility cord control vents are available. Special colours available upon request.  |
| <b>WEATHER PERFORMANCE</b>     | When tested in accordance with BS6375 part 1, the following results were obtained:<br>Air Permeability 600pa; Water Tightness 250pa; Wind Resistance 2000pa.  |

## U-VALUES

Our Hathaway window has a U-value which can range from **1.07** up to 1.6 w/m<sup>2</sup>k depending upon the glass and frame configuration. All values are based upon a standard 1230x1480mm window size.

## MIN/MAX MANUFACTURING SIZES

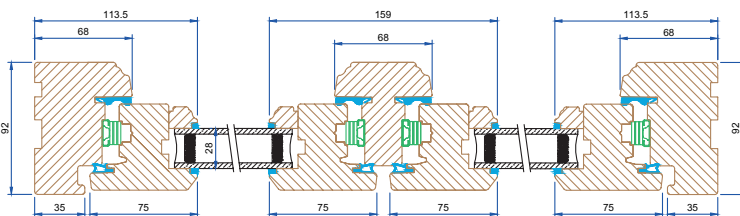
| Standard Hinges | Width |      | Height |      | Sash weight (Kg) |
|-----------------|-------|------|--------|------|------------------|
|                 | Min   | Max  | Min    | Max  | Max              |
| Direct Glazed   | 350   | 2400 | 325    | 2400 | N/A              |
| Fixed Casement  | 450   | 2400 | 400    | 2400 | N/A              |
| Side Hung       | 450   | 700  | 400    | 1500 | 24               |
| Top Hung        | 450   | 1500 | 400    | 1800 | 35               |

| Heavy Duty Hinges | Width |      | Height |      | Sash weight (Kg) |
|-------------------|-------|------|--------|------|------------------|
|                   | Min   | Max  | Min    | Max  | Max              |
| Side Hung         | 450   | 850  | 325    | 1500 | 47               |
| Top Hung          | 450   | 1695 | 400    | 1800 | 73               |

All dimensions shown in mm  
Maximum width and height combinations are subject to overall maximum sash weights. Maximum weights are subject to glazing specifications and methods of frame construction.

## HORIZONTAL CROSS SECTION



DATASHEET

# Hathaway™



## SECTION DETAILS

