

sps timber windows

■ sash & casement windows ■ doors ■ plantation shutters ■ est. 1998

DATASHEET
Warwick™

Key Benefits

- Internally beaded for ease of maintenance (i.e. reglazing from the inside)
- 28mm double glazed units for improved energy and acoustic performance
- Drained and vented system providing a 10 year guarantee on factory glazed units
- Double weatherseal for greater weather performance certified to BS6375 Part 1 & 2
- U-values (for the whole window) lower than 1.5W/M²k achievable (where specified)
- Tested and Certified to BS7950 Enhanced Security standard
- Water based, virtually solvent free, environmentally friendly micro-porous paints and preservation system
- Available in both FSC hardwood and FSC softwood



Inside view



SBD approved twin-cam locking (TSL) espagnolette system



Modern austenitic stainless steel friction hinge



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



Internally or externally beaded

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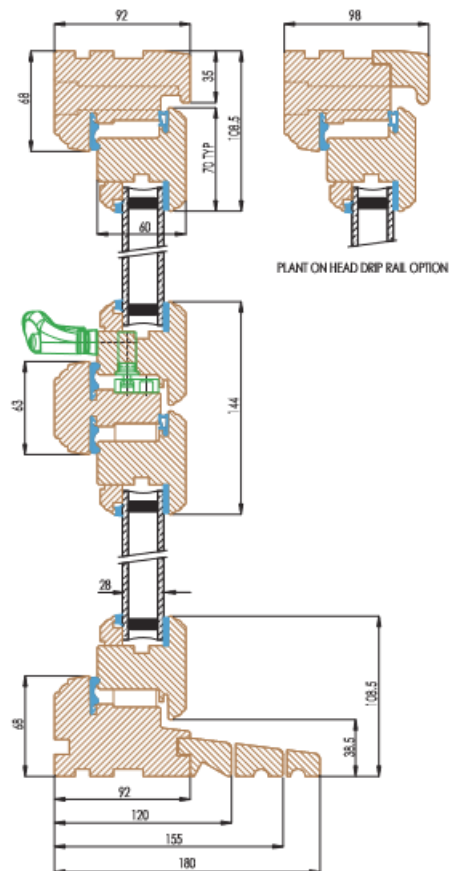
Warwick™ casement window features

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

BEADING	Internally beaded as standard, externally beaded as an option. Puttyline beading is used as standard, with 'new' ovolo and Lambs tongue' mouldings available as options.
CILL OPTIONS	Flush, stub, standard (155mm) and extended cills available.
DRAUGHT PROOFING	All windows are supplied as standard with white draught proofing to painted colours and brown draught proofing to stained windows unless a specific colour (white or brown) is specified using Aquamac™ weather seal technology. Other colours are available at extra cost.
GLAZING	Designed to accommodate a 28mm unit, 4mm clear outer panel, 4mm clear inner with Planitherm to one pane face 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.
HANDING	Where windows or doors are not symmetrical we can supply them with opposite handing.
HANDLES/ LOCKING	Minimum 2 point twin cam security (TSL) espagnolette locking system with key locking handle (unless non-locking is required) with night ventilation position. Secured by Design, Fire escape (egress) and low-level handle options are available if required.
HINGES	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.
IRONMONGERY	White, Black, Gold (Brass effect), Anodised Silver (Satin Chrome) and Chrome ironmongery options available.
MANUFACTURING STANDARDS	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.
PAINT FINISH	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.
PRESERVATION	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 water based preservative system, it is significantly more environmentally friendly than traditional vacuum impregnated solvent based treatments.
TIMBER	Manufactured from either FSC European softwood and/or FSC Eucalyptus hardwood timber, in either solid and/or laminated profiles.
TOLERANCE	SPS 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.
VENTILATION	1nr or 2nr white trickle ventilation per window located in the frame head. Any frame below 900mm wide can have a maximum 1nr trickle vent. Any frame 900mm and above can have either 1nr or 2nr trickle vents. In areas of mobility cord control vents are available.
WEATHER PERFORMANCE	When tested in accordance with BS6375 Part 1 the following results were obtained: Air Permeability 600pa; Water Tightness 250pa; Wind Resistance 2000pa.



SECTION DETAILS



U-VALUES

Our Warwick window has a U-value which can range from 1.36 up to 1.66 depending on the glass configuration and can even get as low as 1.07 using more specialised glass configurations. (U- values quotes are based on a 1200mm x 1200mm window size).

MIN/MAX MANUFACTURING SIZES

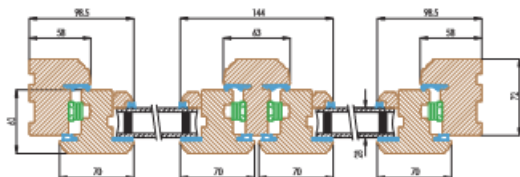
Standard Hinges	Width		Height		Sash weight (Kg)
	Min	Max	Min	Max	Max
Direct Glazed	400	2400	480	2400	50
Fixed dummy sash casement	480	2400	480	2400	50
Side Hung	480	700	480	1300	24
Top Hung	480	1200	480	1500	50

Heavy Duty Hinges	Width		Height		Sash weight (Kg)
	Min	Max	Min	Max	Max
Side Hung	480	850	480	1600	38
Top Hung	480	2000	480	1500	100

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.

Arden Windows Limited maintain a policy of continuous improvement and reserves the right from time to time alter or modify specifications without notice. Further information can be found at www.ardenwindows.net/warwick-range

HORIZONTAL CROSS SECTION



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