

BS 7950/7412  
KM 51270

**Specification for BSI Kitemark Duraflex PVC-U Windows Enhanced Security Complying with BS7950/7412**

Window Size:	1800 x 1350 or perimeter of 6300mm with multi-light configuration
PVC-U Profiles:	Extruded in accordance with BS EN 12608
Reinforcements:	All frame members are fully reinforced with aluminium or steel Aluminium alloy to BS EN 755-9. Galvanised mild steel to BS EN 10143
Finish:	White PVC-U finish
Glazing:	Unglazed or fully glazed with sealed units conforming to BSI Kitemark BS 5713. All glazed windows conform to BS6262
Handles:	Securistyle Virage locking handles in gold or white
Locking:	Saracen shootbolt locking mechanism
Friction Hinges:	Securistyle stainless steel projecting Vector Hinges
Hinge security:	Stayguards manufactured from high tensile steel fitted on all hinges
Glass security:	Securiclips made from high tensile carbon and high sprung steel, fitted to all externally beaded windows. 6 fitted on all opening vents and fixed lights and 4 on top hung vents with a transom drop of 375mm
Ventilation:	Closeable Brookvent to Building Regulations
Seals:	Q-Ion (black or white)
Drainage:	All in accordance with Duraflex Fabrication Guide
Installation:	In order to satisfy the requirements of the BSI Kitemark Scheme Customers must comply with Customade's Installation manual entitled "Guidance for On-site Installation & Glazing of Customade Enhanced Security Windows to BSI Kitemark BS 7950/7412".
Performance:	Complies with BS 7950/7412 Enhanced Security Kitemark. Achieved category 2400 Special i.e. on gusting and exceeded the severe exposure rating on air and water penetration. These results apply to both internally and externally beaded windows. Subject to regular audits by BSI and also tested on a regular basis to BS7950/7412.
Thermal Properties	U-value 1.76W/m <sup>2</sup> K. See BBA Report No. 1749. Complies with Doc. L.
Kitemark Licence:	BSI Kitemark License No. KM 51270. Details of the relevant BSI test report are available, on request, from Carl Redmond at Customade (UK) Limited, telephone 01453 826884.

20/01/2006

### **General Information**

Duraflex Casement Windows are produced using Diamond Suite profiles, which are manufactured to the exacting standards of BS EN 12608. An innovative multi chambered construction gives optimal thermal and acoustic insulation, whilst a sculptured bead and fine sash result in the slimmest and best-looking windows available. Concealed drainage is also a design feature of the system.

A fully integrated range of Diamond Suite profiles allows you to produce virtually any style of window for every market sector through the use of sash, frame and transom/mullion options and variable bay coupling arrangements. Diamond suite profiles are extruded by Duraflex the UK's leading systems supplier.

Duraflex Casement Windows are available internally or externally glazed in a choice of white PVC-U, golden oak, mahogany or rosewood wood grain as well as wood grain on white finishes.

### **Construction**

The outer frames and vents of casement windows are manufactured fully welded but transoms/mullions can be mechanically jointed or reverse butt-welded. Windows are reinforced to manufacturer's recommendation with galvanised steel or aluminium that is housed in a chamber separate from the drainage chamber.

### **Performance**

Duraflex PVC-U Casement Windows have been independently tested by the British Standards Institution, in accordance with BS7412 and BS7950/7412. The results apply to both internally and externally beaded windows.

### **Availability**

Duraflex PVC-U fully fabricated casement windows are available in an extensive range of styles/configurations, double glazed or unglazed.

### **Cleaning and Maintenance**

It is recommended that PVC-U window frames and cills should be wiped down every two to three months with warm mild soapy water or a non-alkaline detergent solution (1% in water) then rinsed with clear water and dried to maintain their good looks. **Do not use any chemical or harsh abrasive cleaners, which could damage the frames.**

### **Specification**

PVC-U Main Profiles - Multi-chambered 65mm PVC-U Profiles

Extruded in accordance with BS EN 12608.

PVC-U material used is window Grade A

Ref: K68

Thermal Performance - U-value 1.76W/m<sup>2</sup>K (BBA Report No.1749)

Complies with Document L

Reinforcements - Galvanised Mild Steel to BS EN 10143

- Aluminium alloy to BS EN 755-9

Finishes - White PVC-U, Golden Oak, Mahogany and Rosewood laminate

Glazing & Glazing Beads - All glazed products conform to BS6262

- 28mm (4/20/4) glazing as standard

- Sealed units to BS5713 BSI Kitemark.

Sealed units available in toughened,

Laminated, clear or patterned glass.

- Co-extruded PVC-U beads

- Scotia, featured & bevelled bead options

Gaskets - Black Rolled-in gasket

- Black co-extruded 28mm bead

Locking Mechanism - Saracen shoot-bolt locking mechanism with dead-lock meets BS7950

Locking Handle - High security Maxim locking handles in White, gold or chrome

Security feature Securiclips - Prevents removal of sealed glass units.

Successfully achieved BS7950/7412  
Human Intervention Tests for deglazing  
products. Six Securiclips per aperture  
where specified. (externally beaded only)  
Stay Guard - Provides additional security in the  
hinge area, which is essential for the  
achievement of BS7950/7412. Allows fire  
escape windows fitted with appropriate hinges  
to comply with BS7950/7412.  
Friction Stays/Hinges - Stainless steel projecting hinges  
including egress and restricted types  
Ventilation - All windows are available with  
permanent or restrictable ventilation  
through the head of the vent or by way  
of an add-on fitted onto the outer frame.  
Appearance - Distinctive bevelled or featured frame, sash  
and mullions.