



APPLICATION

For single storey buildings or high level balcony locations where reglazing is to be carried out externally.

FUNCTION

The window has a top hung open out action, the sash being hung on a pair of concealed friction hinges. An opening angle of up to 80° can be achieved to enable external surfaces to be cleaned from within the building (max safe reach 850mm).

Concealed multipoint espagnolette locking provides superior closing tightness for weatherproofing and acoustic attenuation and offers a secure night ventilation position.

CONSTRUCTION

Composite construction combining extruded aluminium alloy profiles to EN AW 6060-T6 and close grained, laminated North European Redwood, Class J10/J30 in accordance with EN 942: 1996. Other timber species available.

Timber frame and casement sections are precision machined and assembled with pinned and glued comb joints. Mullions and transoms are assembled with mortice and tenon joints.

External aluminium frame profiles are assembled with sealed mitred joints by means of crimped angle cleats, bonded with PIB tape and mechanically fixed with stainless steel pins to internal timber members.

Windows are fully weatherstripped with EPDM slot seals.

MANUFACTURE

All windows are purpose made to specification in accordance with EN 14351-1 : 2006

APPEARANCE

Aluminium profiles are chemically pre-treated and powder coated in any standard RAL colour and specified gloss level in accordance with BS6496: 1984.

Timber is fully factory finished with a 3 coat spray applied water based clear lacquer, paint to NCS/RAL specification or a wide range of stain finishes.



GLASS AND GLAZING

Windows are factory double or triple glazed to specification in accordance with BS6262: 1982 with 28mm or 36mm dual sealed units constructed to EN1279-2 : 2002 and safety glazed where applicable in accordance with BS6206: 1981 and Building Regulation 2000 Approved Document N.

Windows are externally bead glazed employing a drained and ventilated glazing system with sealed units incorporating warm edge composite super spacers and gas filling as standard. Sealed units are supported on setting blocks and dry glazed with EPDM gaskets.

All available high performance glass types can be specified to meet particular requirements for thermal insulation, acoustic attenuation, solar control, safety and security.

PERFORMANCE

All Westcoast windows can be considered as genuinely high performance. Window size, glazing and other factors however directly affect performance levels.

Westcoast technical support staff should be contacted if particular data is required or for advice on how to achieve the most cost effective solution for specific performance targets.

WEATHERTIGHTNESS

Windows comply with the following performance standards when tested in accordance with:

EN 1026:2000 (air permeability)

EN 1027:2000 (watertightness)

EN 12211:2000 (wind resistance).

Air Permeability: Class 4 (600Pa)
in accordance with EN 12207:2000

Watertightness: Class 8A (600Pa)
in accordance with EN 12208:2000

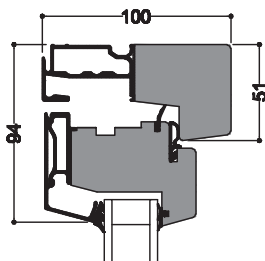
Wind Resistance: Class 3 (600Pa) Dynamic
(1200Pa) Static
(1800Pa) Impact
Frame Deflection C ($< 1/300$)
in accordance with EN 12210:2000

THERMAL INSULATION

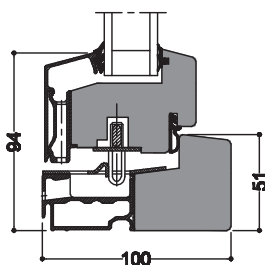
Windows can be glazed to achieve whole window 'U' values as low as $0.98\text{W/m}^2\text{K}$ (calculated in accordance with EN ISO 10077-1 and 10077-2).

ACOUSTIC ATTENUATION

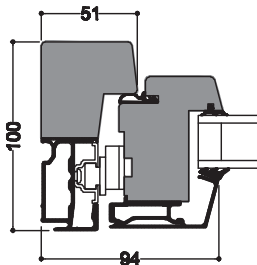
Double glazed windows can be specified to achieve sound reductions in a range of $31\text{dB}(R_w)$ to $44\text{dB}(R_w)$.



Head Ref : G052



Sill Ref : G053



Jamb Ref : G051

Scale 1:4

SECURED BY DESIGN

Windows have been tested to comply with BS7950: 1997 Specification for enhanced security performance.

IRONMONGERY

Windows are fitted with the latest high performance ironmongery including as standard:

Hinges: 'Peder Nielson' Uni system projecting friction hinge

Espagnolette: 'Fix' S1105 concealed multipoint locking wedge bolts and night vent position receivers

Restrictor: 'Peder Nielson' PN3930 concealed restrictor

Handle: 'Hoppe' Atlanta 0530/0530S (satin anodised finish)

A wide range of optional ironmongery items can be specified to address additional safety and security issues or methods of operation, style and finish.

INSTALLATION

Windows are supplied to site fully factory finished and glazed for installation into prepared openings. A comprehensive design and installation service is offered.

MAINTENANCE

Window maintenance is limited to periodic washing of external aluminium and glass surfaces with water containing a mild detergent and in the case of internal timber, cleaning with a damp cloth or polishing.

Ironmongery items are manufactured from corrosion resistant materials and require only annual inspection and lubrication of appropriate moving parts.

