

## L10 WINDOWS/ROOFLIGHTS/SCREENS/LOUVRES

To be read with Preliminaries/General conditions.

### PRELIMINARY INFORMATION/REQUIREMENTS

- 110 EVIDENCE OF PERFORMANCE: Provide independently certified evidence that all specified variants of components comply with specified performance requirements.
- 130 PROTOTYPES: Prepare one of each of the following and arrange for inspection by the CA before starting repetitive fabrication:
- 140 CONTROL SAMPLES: After finalisation of all details, prepare one of each of the following, as part of the quantity required for the project, and obtain approval of appearance before proceeding with manufacture of the remaining quantity:

### COMPONENTS

#### 400 ALUMINIUM/TIMBER COMPOSITE WINDOWS:

- **Drawing reference(s):**
- **Manufacture and reference:** Sampson Windows Ltd, Maitland Road, Lion Barn Business Park, Needham Market, Ipswich, Suffolk, IP6 8NZ (01449 722922).  
INSIGHT System aluminium/timber windows or equal and approved from a firm currently registered under a third party Quality Assurance scheme to BS EN ISO9001: 2000 and operating an Environmental Management System in accordance with BS EN ISO14001: 1996.
- **Exterior frame/sash/cladding material:** Extruded aluminium alloy profiles to BS1474: 1987.  
Finish: Polyester powder coating to BS 6496: 1984 RAL colour to be advised. Gloss Level 65-80%.
- **Interior frame/sash section material:** Upper Gulf Swedish Redwood Class J10/J30 to BS EN 942: 1996.  
Finish: 2-coat factory spray applied water based clear lacquer, stain or paint to be advised.
- **Weathertightness:** To BS6375: Part 1: 1989/BS EN 12208: 2000 Window Performance Classification for Weathertightness when tested in accordance with BS5368: Parts 1, 2 and 3 and to BS6375: Part 2: 1987 Specification for Operation and Strength Characteristics.

Air permeability: 600Pa  
Watertightness: 600 Pa  
Wind resistance: 2400Pa

- **Exposure Category (Design wind pressure):**
- **Glazing:** 28mm double or 36mm triple glazed sealed units in accordance with BS6262, constructed in accordance with BS5713/EN1279-2 having a super low emissivity soft coating to achieve a mid pane 'U' value of \_\_ W/m<sup>2</sup>K or better, safety glazed in accordance with BS6206 and marked in accordance with current NHBC requirements.

Whole window U-value not to exceed \_\_ W/m<sup>2</sup>K.

- **Ironmongery/Accessories:**

Window Type                      Ironmongery

Please refer to the Sampson Windows Ltd website ([www.sampsonwindows.co.uk](http://www.sampsonwindows.co.uk)) for product references and standard ironmongery.

- **Other Requirements:**

## INSTALLATION

- 710 PROTECTION OF COMPONENTS: Do not deliver to site components that cannot be put immediately into suitable clean, dry floored and covered storage. Stack near vehicle on level bearers, separated with spacers to prevent damage by and to projecting ironmongery, beads etc.
- 720 MOISTURE CONTENT OF TIMBER COMPONENTS: During delivery, storage, fixing and thereafter to Practical Completion maintain conditions of temperature and humidity to suit specified moisture content(s) of components. When instructed by CA, test components with an approved electrical moisture meter used in accordance with manufacturer's recommendations.
- 730 PRIMING/SEALING: Before fixing components ensure that surfaces of timber that will be inaccessible after installation are primed or sealed as specified.
- 740 CORROSION PROTECTION: Before fixing, apply two coats of bitumen solution to NS6946 or an approved mastic impregnated tape, to surfaces of \_\_\_\_\_ components that will come into contact with \_\_\_\_\_
- 750 BUILDING IN will not be permitted except where specifically stated on the drawings.
- 765 WINDOW INSTALLATION:  
Install windows into prepared openings, maintaining a maximum gap of 10mm between the frame edge and the surrounding construction. Install windows without twist or diagonal racking.
- 770 PREPARED OPENINGS: Ensure that dpcs are positions correctly in relation to frames and are not displaced during fixing operations.

- 784 **FIXING OF COMPOSITE FRAMES:** As section Z20 using preformed stainless steel brackets and frame fixings. When not predrilled or specified otherwise, position fixings not more than 150mm from each end of jamb, adjacent to each hanging point of opening light, and at maximum 600mm centres.
- 810 **SEALANT JOINTS:** Sealant manufacturer and reference: Dow Corning Neutral curing silicone, Colour: TBA from 796/797 range. Prepare joints and apply sealant as section Z22. Finish triangular fillets with a flat or slightly convex profile.
- 820 **IRONMONGERY:** Assemble and fix carefully and accurately using fasteners with matching finish supplied by ironmongery manufacturer. Prevent damage to ironmongery and adjacent surfaces. At completion check, adjust and lubricate as necessary to ensure correct functioning.