

**L10 WINDOWS/ ROOFLIGHTS/ SCREENS/ LOUVRES****GENERAL**

## 110 EVIDENCE OF PERFORMANCE

- Certification: Provide independently certified evidence that all incorporated components comply with specified performance requirements.

## 140 CONTROL SAMPLES

- Procedure:
  - Finalise component details.
  - Fabricate one of each of the following designated items as part of the quantity required for the project.
  - Obtain approval of appearance and quality before proceeding with manufacture of the remaining quantity.
- Designated items: \_\_\_\_\_

**PRODUCTS**

## 400 COMPOSITE WINDOWS

- Drawing reference(s): ( )
- Manufacturer: Idealcombi A/S, Chancery Pavilion, Boycott Avenue, Milton Keynes, MK6 2TA  
Telephone: 01582 860940 | [idealcombi.com](http://idealcombi.com)
- Product reference: [FUTURA<sup>+</sup>](#) range of products
- Materials:
  - Exterior frame / sash cladding: Aluminium / Polyurethane / Aluminium outward opening sashes and fixed sashes.  
Finish: Polyester Powder Coated – Standard RAL colours (Matt or High gloss)
  - Interior frame section: Redwood timber (Pinus species) supplied from a renewable and managed supply chain. Quality optimised finger jointed timber with 149mm (or 175mm) overall depth of frame.  
Finish: Factory finished, 2 coat micro porous paint, or clear stain selected from standard colour range.
- Exposure category classification requirements shall be indicated in conformance with:
  - DS/EN 12207 for air permeability
  - DS/EN 12208 for water tightness
- Glazing details: To DS/EN 1279 with black warm edge spacers, safety glass to BS EN12600:2002, below 800 mm above finished floor level and below 1500mm within 300mm of doors.
 

30mm double glazed unit (High G):	Glazing Ug 1.31 / Gg 0.73
[OR] 30mm double glazed unit (Medium G):	Glazing Ug 1.25 / Gg 0.65
[OR] 44mm triple glazed unit (High G):	Glazing Ug 0.78 / Gg 0.62
[OR] 44mm triple glazed unit (Medium G):	Glazing Ug 0.74 / Gg 0.53
- Ironmongery/ Accessories:
  - To include: aluminium folded sill pressings, aluminium ventilators to achieve 2500mm<sup>2</sup> EA, opening handles to operate a fully concealed multi-point locking safety bolt mechanism with

night vent position. Restrictors required to all windows to limit the opening to approximately 100mm.

## 520 SLIDING DOORS

- Manufacturer: Idealcombi A/S, Chancery Pavilion, Boycott Avenue, Milton Keynes, MK6 2TA  
Telephone: 01582 860940 | [idealcombi.com](http://idealcombi.com)
- Product reference: [FUTURA<sup>+</sup>](#) range
  - Arrangement: Two part system - Sliding door sash and fixed light  
Four part system – Bi-parting 2 opening sashes with 2 fixed lights
  - Exterior sash cladding: Aluminium / Polyurethane / Aluminium outward opening and fixed sashes.  
Finish: Polyester Powder Coated – Standard RAL colours (Matt or High gloss)
  - Interior frame section: Redwood timber (Pinus species) supplied from a renewable and managed supply chain. Quality optimised finger jointed timber with 149mm (or 175mm) overall depth of frame.  
Finish: Factory finished, 2 coat micro porous paint, or clear stain selected from standard colour range.
- Operation:
  - Two part system - Sliding door opens outwards then parallel across the front of the fixed light
  - Four part system - Middle sashes open outwards then in opposite directions parallel across the front of the fixed lights.
- Other requirements:
- Glazing details: 30 mm double glazed unit to DS/EN 1279, Ug 1.31 and gg 0.73 or 40 mm triple glazed unit to DS/EN 1279, Ug 0,74 and gg 0.53 with black warm edge spacer bar. Safety glass to BS. Aluminium thread plate to sill of opening light.
- Ironmongery/ Accessories:  
To include: aluminium folded sill pressings, aluminium ventilators to achieve 2500mm<sup>2</sup> EA to fixed light, 2 number opening handles to operate a fully concealed multi-point locking mechanism with night vent position.

### APPROVALS

- ISO 9001
- ISO 14001
- Timber FSC Certified

### EXECUTION

## 710 PROTECTION OF COMPONENTS

- General: Do not deliver to site components that cannot be installed immediately or placed in clean, dry and covered storage.
- Stored components: Stack vertically or near vertically on level bearers, separated with spacers to prevent damage by and to projecting ironmongery, beads, etc.

## 750 BUILDING IN

- General: Not permitted unless indicated on drawings.

- Brace and protect components to prevent distortion and damage during construction of adjacent structure.

## 765 WINDOW INSTALLATION GENERALLY

- Installation: Into prepared openings.
- Gap between frame edge and surrounding construction:
  - Minimum: 9mm
  - Maximum: 15mm
- Distortion: Install windows squarely without twist or diagonal racking.

## 770 DAMP PROOF COURSES IN PREPARED OPENINGS

- Location: Ensure correct positioning of DPC's, DPM's and/ or cavity closers in relation to window frames. Do not displace during fixing operation.

## 784 FIXING OF COMPOSITE FRAMES

- As section ( ) using galvanized mild steel cramps or as otherwise recommended by the manufacturer.
- When not predrilled or specified otherwise, position fixing not more than 150 mm from each end of jamb, adjacent to each hanging point of openings lights, and at maximum 600 mm centres.
- Fasteners appropriate to surrounding structure.

## 810 SEALANT JOINTS:

- Sealant manufacturer and reference: Adshedd Ratcliffe Arbo LM low modulus silicone sealant or equivalent.
- Brush joints clean and free from all dust etc wipe the joint interface with an approved solvent wipe and allow for drying. Insert a foam backing strip or bond breaker tape to back of joint. Apply the Arbo LM low modulus silicone mastic (joint size 10 to 15mm typically). Tool joint with a smooth stick to leave neat professional finish.
- Colour: To compliment or match window colour.
- External seal
  - Manufacturer: Compriband
  - Range: Ilmod 600 tape,  
Colour: Anthracite/RAL7030 Grey or black  
Certification: BBA 96/3309

Install windows into prepared opening, maintaining a 12m +/- 4mm gap. Tape is to be placed between the wooden frame and window reveal. (Where there is a brick reveal the joint needs to be flush to ensure a suitable weather tight seal.)

## 820 IRONMONGERY:

- Fixing: Assemble and fix carefully and accurately using fasteners with matching finish supplied by ironmongery manufacturer. Prevent damage to ironmongery and adjacent surfaces.
- Checking / adjusting / lubricating: At completion check, adjust and lubricate as necessary to ensure correct functioning.