

## Gatehouse Cabins (skid-mounted)



- Extremely low maintenance
- High standard specifications
- 20+ year life expectancy
- Almost infinite customisation

Gatehouse Cabins are based on our standard skid-mounted cabins which are bespoke built to any size and specification, clad externally with Plastisol as standard but can be upgraded to timber cladding, brick cladding or any other external cladding required.

Gatehouse cabins are ideal for use as security cabins where secure entrance to a site or premises is required. These units can also be fitted with toilet and kitchen facilities and an extensive range external visual options such as foil wrapped windows & doors and decorative fascia options.



Thermowood clad office cabin



Gatehouse cabins with decorative fascia



Gatehouse cabin with air-conditioning



## Gatehouse Cabins - Technical Specifications

### Structural Design

The structure is designed and constructed in accordance with the following standards and technical references:-

- EN 1990 - Basis of Structural Design (UK Nat Annex)
- EN 1991-1-1 - Actions on Structures - Densities & Imposed
- EN 1991-1-3 - Actions on Structures - Snow Loads
- EN 1991-1-4 - Actions on Structures - Wind Loads
- EN 1991-1-7 - Actions on Structures - Accidental Actions
- EN 1993-1-1 - Steel Structures - General Principles
- EN 1995-1-2 - Steel Structures - Hot Rolled Elements
- EN 1993-1-3 - Steel Structures - Cold Formed
- EN 1995-1-5 - Steel Structures - Plate Elements
- EN 1995-1-8 - Steel Structures - Joints
- EN 1995-1-1 - Timber Structures - General Principles
- EN 1995-1-2 - Timber Structures - Structural Fire Design
- Building Regulations for England & Wales
- Timber Designers Manual

### Imposed Loadings

Floor - 3kN/m<sup>2</sup>  
Roof - 0.75 kN/m<sup>2</sup>

### Design Wind Speed

46 m/s, at single storey level only.

### Fire Rating

- External face of walls - Class 0 surface spread of flame.
- Internal face of walls and ceiling - Class 0 surface spread of flame.
- 30min Integrity Stability protection.

### Insulation Values

Walls 'U' = 0.58w/m<sup>2</sup>k  
Roof 'U' = 0.56w/m<sup>2</sup>k  
Floor 'U' = 0.52w/m<sup>2</sup>k

### Floor

38 x 125mm timber floor joists, fixed to 50 x 100mm timber skids and 45 x 125mm timber side plates. 18mm V313 T&G moisture resistant chipboard is fixed to the timber joists to give a level floor deck, covered with 2mm welded Polyflor XL vinyl "Graphite Grey". Insulated with a single layer of floortherm foil thermal insulation.

### Walls

#### Framework & External Finish.

70 x 34mm timber stud framework clad externally with "Plastisol" (9mm plywood laminated both sides with plastic coated steel). Alternative external cladding options such as timber cladding can be priced on request.

#### Internal Lining

12.5mm vinyl faced plasterboard (white - plaster finish) is fixed to the timber wall framing; joints capped with special PVC 'H' section trims.

#### Skirting and Cornice

45 x 10mm two part white upvc skirting and top cornice.

### Roof (soffit type construction)

#### Design, Deck & Finish

The roof comprises 38 x 125mm softwood roof joists (400mm centres) chamfered to the ends to create a dual fall each way from centre. 12mm Stirling Board (OSB) is fixed to the joists covered with Marley rubberised roofing blanket. The roof is drained via upvc downpipe outlets at each soffit end of the roof.

#### Internal Ceiling Finish

12.5mm vinyl faced plasterboard (white - plaster finish) is fixed directly to the timber roof joists; joints being capped with special PVC 'H' section trims. 60mm Fibreglass insulation quilt is fitted between the roof joists to help reduce heat loss.

### Doors

#### External doors

Kirncroft steel composite insulated doors with a 10 point locking system, paint finished in any standard BS or RAL colour.

#### Internal Doors

Internal door casings are white timber frames and stop laths with white painted architrave's. Internal doors are pre-finished solid core oak laminate type hung on 2No. 75mm loose pin butt hinges.

### Windows

900x1000mm FOV top hung white upvc framed double glazed units in standard clear glass complete with trickle vents and restrictor stays. Window linings are a white upvc one piece section. Alternative window types and sizes can be priced on request.

### Electrics

#### Consumer Unit

An 18th Edition single phase consumer unit complete with RCD & MCB's is fitted with an external inlet box. Your Jackleg Cabin will arrive direct complete with lighting, heating and power fitting. All units are pre-tested in accordance with current regulations and have written certification.

#### Lighting and Power Points

Quantity of double power points will vary according to unit size/type and client requirements. Standard lighting is provided by 1500mm LED strip lights to main areas and LED bulkhead lights to smaller areas.

#### Heating

Is by means of individually controlled LOT20 2Kw convector heaters with 7 day thermostatic timers to main areas and tubular frost-stat heaters to WC and shower rooms.

Air-conditioning can also be supplied as an optional extra.

*Variations from this 'Standard' specification for specific units will be noted in our quotations for same.*

*Due to the company's policy for continuous improvement to its product range, we reserve the right to change and/or alter specifications without prior notice. Clients will of course be notified accordingly.*

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## Gatehouse Cabins (Skid-Mounted) - Cut section drawing

