



## The Britannia Range...

The Britcab 'Britannia' range is our premium cabin, designed for customers wanting that little bit extra from their workspace. Built in house and to the highest possible standard, the Britannia provides a stylish, long-lasting solution to your portable building needs.



### External Walls

The external finish of the Britannia Range consists of 70 x 34 stud framework, clad with 9mm plywood and plastisol sandwich panel to form a stressed skin construction. The Britannia's steel sandwich panel consists of 0.5mm plastisol, 9mm plywood and a 0.5mm steel balance sheet to the rear side.



### Floor Construction

GS grade timber floor joists, fixed to timber skids and fastened to rebated timber side plates make up the floor frame of the unit. 18mm V313 T&G moisture resistant chipboard is glued and nailed to the timber joists to give a level floor deck ready to receive floor covering. The floor is insulated with a single layer of floortherm foil thermal insulation.



### Windows

900mm x 1000mm FOV top hung white UPVC framed double glazed units in standard clear glass and complete with trickle vents and restrictor stays.

Window linings are a white UPVC one piece section.

Different size and style windows are available upon request.



### Interior Finish

12.7mm Cream vinyl faced plasterboard is fixed directly to the timber wall framing with the joints being capped with special PVC 'H' sections.

12.7mm white 'Plaster' vinyl faced plasterboard is fixed with polytop ring shank nails directly to the timber roof joists; the joints again being capped with special PVC 'H' Sections.

60mm Fibreglass insulation quilt is fitted between the roof joists to help reduce heat loss.



### Monopitch Roof

The roof comprises 38mm x 125mm softwood roof joists, chambered to 100mm at ends to create a dual fall each way from mid span. The joists are at 400mm centres.

A roof deck of 12mm stirling board is fixed to the joists.

A single layer Marley rubberised blanket is bonded to the roof deck and lapped behind the timber fascia.

The roof is drained via fallpipe outlets at each soffit end of the roof.



### Standard Electrics

All cabins are fitted with consumer unit, inlet box, 1500mm fluorescent lighting and 2KW convector heaters which can be controlled by a thermostat with timer. Our new build range also include 13amp twin sockets with 2 outlet USB chargers built in – handy for charging mobile phones. All Electrics are hardwired within the fabric of the building.

## Britannia Range: Full Specifications

### Structural Design

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

1. BS5268 Part 2 'Structural Use of Timber'.
2. CP3 Chap. V Part 2 'Wind Loads'.
3. BS6399 Part 1 'Design Loads for Buildings'.
4. BS 648 'Dead Loads'.
5. Timber Designers Manual 'Ozelton & Baird'.

### Imposed Loadings

Floor - 2.5kN/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

### Internal Ceiling height

2225mm (7' 4")

### Floor

38 x 125mm GS grade timber floor joists, fixed to 50 x 100 timber skids and 45 x 125 rebated timber side plates, to which 18mm V313 T&G moisture resistant chipboard is glued and nailed to the timber joists to give a level floor deck ready to receive sheet vinyl floor covering Polyflor XL standard "Grey". The floor is insulated with a single layer of floortherm foil thermal insulation.

### Walls

#### Framework & External Finish

70 x 34 timber stud framework clad with 9mm W.B.P plywood and plastisol sandwich panel to form a stressed skin construction. Our plastisol steel sandwich panel consists of 0.5mm plastisol, 9mm plywood and a 0.5mm steel balance sheet to the rear side.

#### Internal Lining

12.7mm Cream vinyl faced pre-finished plasterboard is fixed directly to the timber wall framing; joints being capped with special PVC 'H' sections.

#### 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 chambered to 100mm at ends to create a dual fall each way from mid span. The joists are at 400mm centres. A roof deck of 12mm Stirling Board (orientated strand board, OSB) Agreement Board Certificate No. 88/2057 is fixed to the joists. A single layer Marley rubberised blanket is bonded to the roof deck and lapped behind the timber fascia. The roof is drained via fallpipe outlets at each soffit end of the roof.

#### Internal Ceiling Finish

12.7mm White 'Plaster' vinyl faced pre-finished plasterboard is fixed with Polytop ring shank nails directly to the timber roof joists; joints being capped with special PVC 'H' sections. 60mm Fibreglass insulation quilt is fitted between the roof joists to help reduce heat loss.

### Doors

#### External doors

External door are robust insulated composite steel doors armed with a 10 point locking system for extra security 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

### Electrics

#### Consumer Unit

A single phase consumer unit is fitted close by the external door (see drawing for exact location) for one connection to be made to the new building. This connection should be carried out by either the local electricity board or a competent local electrician. Your Jackleg Unit will arrive direct from the factory complete with lighting, heating and power fitting, with circuitry, protected by MCB's. All units are pre-tested in accordance with current regulations and have written certification.

#### Lighting and Power Points

See Quotation Breakdown Sheet for details and quantities.

#### Heating

Is by means of individually controlled 2Kw convector heaters with timers.

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

## Britannia Range

### The premium range cabins have the following key features...

- Plastic coated (plastisol) steel exterior. Aesthetically pleasing and extremely durable.
- Walls are finished with a 12.7mm Cream vinyl faced pre-finished plasterboard as standard. The joints are capped using special PVC 'H' sections and achieve a U-Value of 0.58.
- GS grade timber floor joists, fixed to timber skids and fastened to rebated timber side plates make up the floor frame of the unit. The floor achieves a U-Value of 0.52.
- The roof comprises of softwood roof joists chambered to 100mm at ends to create a dual fall each way from mid span. Joists are at 400mm centres. The roof achieves a U-Value of 0.56.
- UPVC double glazed windows throughout.
- Design can be tailored and units are built to clients bespoke specification.
- Can be linked or stacked easily on site.



 **Not sure what you need? Let us help you, contact us on 01759 301725 to discuss your requirements.**