

Imposed Loads

Floor - 3.0kn/m²
 Roof - 0.7kn/m²

Design Wind Speed

Walls - 0.41kn/m² (Wind at 46m/sec)

Fire Resistance Rating

Surface spread of flame: Class 'O' to walls and ceilings.
 Integrity: 30 minutes structural stability protection.

Floor Structure – 'U' Value = 0.52w/m² k
Joists

150 x 50mm GS graded timber floor joists at 406mm centres nailed to 150 x 50mm timber side plate.

Floor Deck

18mm flooring grade chipboard glued and nailed to floor joists.

Insulation

Eco Bright or SFTV Multi Foil Insulation

Floor Covering

2.0mm thick pure sheet vinyl with heat welded seams bonded onto chipboard deck.

External Walls – 'U' Value = 0.58w/m²k
Timber Framing

63 x 38mm CLS top and bottom rails with 63 x 38mm CLS vertical studding at 400mm centres with horizontal cross mid rails.

Cladding

9.5mm WBP plywood glued and nailed to studding timber to form a stressed skin construction with Plastisol steel external finish c/w a balancer sheet on the inside face of the plywood for structural integrity.

Insulation

60mm fibreglass insulation quilt fitted between vertical timber studding.

Internal Lining

12.7mm white vinyl faced plasterboard fixed onto timber studding. Board joints finished with two part cream PVC 'H' section. All skirting and cornice are 45 x 9mm white plastic.

Roof Structure – 'U' Value = 0.56 w/m² k
Roof Joist

122 x 34mm TR26 roof joists at 406mm centres nailed to 122 x 34mm timber side plate

Internal Ceiling Lining

12.7mm white vinyl faced plasterboard fixed onto timber roof joists, board joints finished with one part white PVC

Roof Deck & Covering

11mm OSB is nailed to the roof joists weatherproofed with FATRA twin layer eco blanket manufactured to BS5750 giving a 'AA' fire rated finish.

Insulation

60mm fibreglass insulation quilt is laid between the roof joists directly above the ceiling.

Roof Ventilation

Cross ventilation above the insulation quilt via UPVC Plastic Roof vents at each end of roof, thus preventing the possibility of interstitial roof condensation.

Rainwater Discharge

Rainwater is discharged directly from the roof via PVC square fall pipes to ground level.

Fascia Details

Plywood fascia is built onto the ends of the timber roof joists and nailed in place, then covered with Plastisol.

Windows – "U" Value = 2.00w/m²/k

900 x 1000 uPVC double glazed white, fully opening vents glazed in Pilkington 'k' clear glass with neoprene glazing gaskets, trickle vents and opening restrictors.

External Doors

UPVC doors fitted as standard (or Kirncroft steel composite insulated doors with 10 point locking system)

Electrical Installation

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 & power fittings. All units are pre-tested in the factory and come with Electrical Certification

Structural Design

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

Building Regulations for England & Wales
 BS5268 Pt2 2002 – Structural use of Timber
 BS6399 Pt1 1996 – Design loading for Buildings. Dead & Imposed Loads
 BS6399 Pt3 1988 – Design loading for Buildings. Imposed Roof Loads
 BS6399 Pt2 1997 – Wind loads on Buildings.
 BS5268 Section 6.1 1996 & 6.2 2001 – Structural use of Timber in Timber Framed Walls
 BS5268 Pt3 1998 – Structural use of Timber. Trussed Rafter Roof
 BS5950 Pt1 2000 – Structural use of Steel. Hot Rolled
 BS5950 Pt5 1998 – Structural use of Steel. Cold Formed Sections
 Timber Designers Manual ~ E.C. Ongleton and J.A. Baird

Due to our company's policy for improvements, we reserve the right to change and/or amend the specification without prior notice.