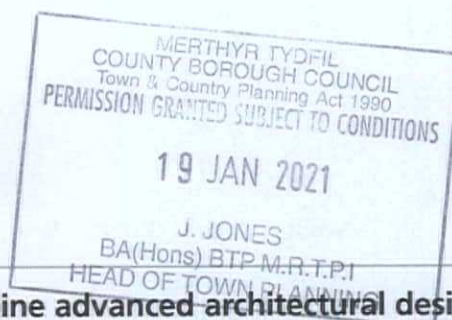




Portakabin Solus buildings combine advanced architectural design with innovative office solutions. The result is a unique fusion of quality, comfort and executive style to create a high-quality building that is second-to-none.

Provided by Portakabin, the name you can trust, the Portakabin Solus building will give you complete peace of mind.

Walls

External walls are of a durable one-piece construction. High-performance, low-maintenance, plastisol-coated, galvanised steel cladding offers protection against fire, extreme weather and accidental damage. Internally, the walls are of a polyester-coated galvanised steel, providing an **impact resistant, wipe clean finish**.

Floor

The floor has a rigid galvanised steel frame and an aluminium-zinc coated steel sheet underdrawing, which offers a **sturdy and robust** feel. The design also prevents infestation as the thermal insulation material is laid on top of the underdrawing.

The suspended floor is completely integrated into the structure of the building. This enables the building to be sited close to the ground for one-step easy access. A **variety of floor coverings** is also available including hard-wearing vinyl or carpeting, depending on the application of the building.

Roof

Outstanding insulation is provided by the construction of the roof. The roof deck is of one-piece construction and is impact resistant. It is covered with **solar-reflective**, profiled plastisol-covered galvanised steel to **reduce heat gain**. Internally, the ceiling is designed to prevent condensation problems. It is covered with the same polyester steel as the walls for a **low-maintenance finish**.

Doors

Polyester powder-coated fully double-glazed doors **minimise heat loss**. The aluminium frame also incorporates draught-proof weather seals. **Protection against theft and vandalism** is given by a cylinder mortice lock, which has escape override on the inside. A low-level threshold improves access and can help you to **meet the requirements of the Disability Discrimination Act (DDA)**.

Windows

Both the fixed and opening windows measure **1.027m wide by 1.027m high**, with distinctive square cornered aluminium frames and polyester powder-coated paint finish. Opening windows have lockable handles with keys. The windows are fully double-glazed for **excellent thermal and acoustic performance**. Tinted glazing **reduces solar glare** and a thermal break prevents condensation problems.

Building layout

A variety of room layouts can be achieved by the installation of **partition walls**, with a matching polyester steel finish.

Foundations

Portakabin Solus buildings are **quickly and easily sited**. The need for pad foundations is dependant on site conditions, total weight of the building and the imposed loads. Advice on foundation loads and positions will be given by your local Hire Centre.

Design loads

Floor 3.00kN/m²

Roof 0.75kN/m²

Basic wind speed

(To meet requirements of BS 6399:Part 2)

Thermal insulation

The walls and roof are insulated with environmentally friendly **CFC-free** Envirofoam: a rigid polymer insulation material that is lightweight and yet enhances **long-life structural strength** and ensures an energy-efficient building.

Insulation values

Elemental U-values (W/m²K) Floor 0.35 Walls 0.45 Roof 0.34

Fire performance

Fire-engineered construction ensures safe fire performance. **Non-combustible** materials are used for all external cladding and internal lining of walls and ceilings; minimising the potential fire load. Walls, ceilings and floor underdrawing have Class O surfaces. Roof decks have a British Standard FAA rating.

Climate control

A variety of **heating, ventilation and air-conditioning systems** can be provided for the enhanced comfort of occupants.

Transport and handling

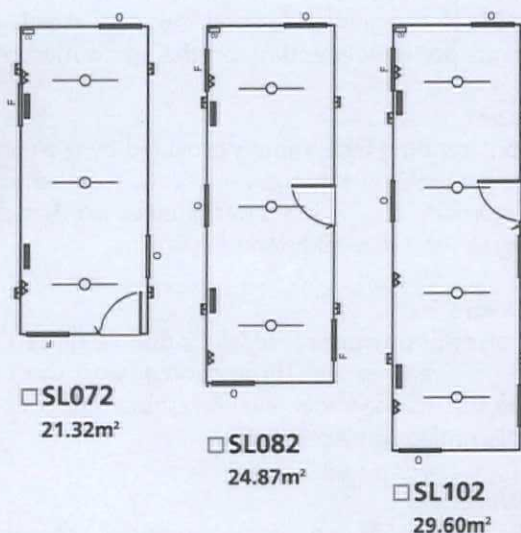
Portakabin Solus buildings are transported by lorry and **craned into position**. All buildings have, as standard, provision for low-level lifting using four leg polyester slings.

Low-level lifting supports **The Work at Height Regulations 2005** to avoid the increased safety risks associated with working at height and on roofs.

For detailed technical information and the full range of Portakabin Solus options, call:

Hire: 0845 355 0350 – direct to your local Hire Centre

PORTAKABIN SOLUS Series	SL072	SL082	SL102
External length (m)	7.50	8.70	10.30
External width (m)	3.37	3.37	3.37
External height (m)	2.61	2.61	2.61
Internal length (m)	7.21	8.41	10.01
Internal width (m)	2.96	2.96	2.96
Ceiling height (m)	2.30	2.30	2.30
Foundation to floor level (m)	0.21	0.21	0.21
Floor area (m ²)	21.32	24.87	29.60
Empty building weight (kg)	2311	2610*	2895
Lifting dimensions: Effective sling leg length (m) (120 degrees between opposite sling** legs)	6.50	6.50	6.50
Lifting dimensions: Effective hook height (m) (120 degrees between opposite sling** legs)	5.17	5.40	4.95
Maximum handling weight (kg)	3590	3925	4370



*Approximate weight

**13m Polyester round sling (effective working length 6.5m)

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