

A white modular office building with a man standing next to it. The building is rectangular with a flat roof and a large open doorway. A man in an orange shirt and dark trousers is standing to the right of the doorway, holding a white object. The building is situated on a paved area under a blue sky with scattered clouds. In the background, there are stacks of materials and a red container.

expandacom

The totally man portable, flat pack building system that provides office space for previously inaccessible areas

The all NEW improved Expandacom now features:

- Robust construction with stronger wall panels
- Modular capability
- Outstanding value for money



Providing extra office space... when and where you need it...

Expandacom is the market leading flat packed office building and is the ideal solution for getting offices in previously inaccessible areas. Ideal for a wide range of uses, each unit is man portable, easy to erect and disassemble meaning they can be used wherever you work and need office space.

- **Man-portable:** No lifting gear or cranes required
- **Demountable:** Dismantles into flat pack form quickly
- **Extendable:** Additional units can be added either side by side or back to back
- **Complete:** Everything required for assembly is in the kit. No additional fixings needed
- **Secure:** Double locking system is standard
- **Simple:** No specialist tools are required for assembly, just a socket set
- **Quick:** Ready to use in less than an hour

The design and construction of Expandacom offers complete flexibility as each unit is robust and fully insulated yet light enough to be manhandled onto site. In fact, as the only totally man-portable 20ft office building on the market, they are completely unique and provide a comprehensive range of office space solutions for many industries and users.

This includes:

Building sites with limited access

Office space below ground level

Offices in retail parks

Schools that require temporary office space

Local authorities

Outdoor attractions

Showgrounds and event organisers



arrives flat-packed



man-portable



simple to assemble



ready for use



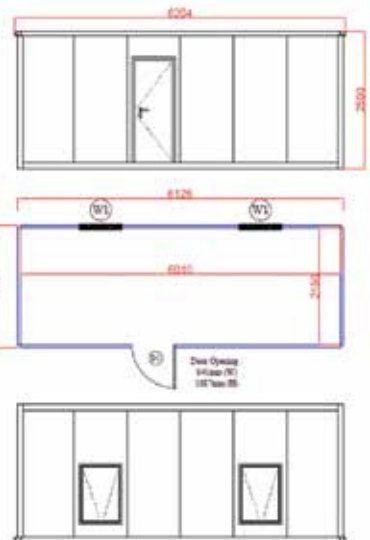
- Height 2590mm
- Width 2309mm
(with gutter 2391mm)
- Length 6204mm
- Weight 1286kg

RAL 9002 off-white (interior & exterior)



Technical Information

The prefabricated Expandacom portable office is an insulated closed volume demountable accommodation unit, designed for use in very restricted areas above and below ground. Assembly is simple, and is achieved by mounting the sandwich panels and components into the steel frame and chassis, requiring only manpower.



The unit comes with 1 x door panel and 2 x window panels as standard. These panels can be placed anywhere within the frame in order to design different configurations. Additional windows/doors can be placed within the structure.

Wall Panels

50mm sandwich panels consisting of two .60mm powder coated galvanized steel sheets with 50mm high density (16 kg/m³) polystyrene insulation. Colour: Off-white (RAL 9002)

Roof panels

50mm sandwich panels consisting of two .60mm powder coated galvanized steel sheets with 50mm high density (16 kg/m³) polystyrene insulation. Colour: Off-white (RAL 9002)

Roof Structure

Ceiling supporting frame consists of a rigid and torsion resistant cold formed 1.50 mm supporting frame, (retention bars) powder coated in off-white (RAL 9002) which locate into spigots in the four corners of the 3mm corner posts. The outer roof skin is in two parts, and consists of .60mm box profile galvanized steel complete with integral gutters. The roof structure has an evenly distributed load capacity of 100 kg/m².

Chassis

The floor consists of a steel structure reinforced to satisfy bearing capacity and rigidity requirements. Flooring is fixed on top of the bearing structure composing of 18mm OSB board on which 2mm thick PVC linoleum covering is laid over. (Flash point B1 – difficult to burn, smoke density Q1)

Chassis Structure

Chassis supporting frames and structure are manufactured from 3mm cold formed galvanized steel profiles. Vertical profiles are 1.5 & 2mm cold formed powder coated black steel profiles. The chassis can be split into five parts if required. No insulation in chassis.

Load capacity

Floor structure has 250 kg/m² evenly distributed load capacity. Deflection is L/300 when placed directly onto level ground.

Door & windows

Apertures are cold formed powder coated 1.23 mm galvanized steel. The door is 0.6 mm powder coated galvanized flat steel formed into a sandwich panel with 50mm honey comb insulation c/w with all door furniture and euro cylinder lock.

Windows: uPVC double glazed window with vacuum sealed unit (4+10.5+4), inward opening with locking handle. 805 x 1135mm. Fly screens are available.

Fastening elements

All nuts, bolts, and interconnecting trim are included in the package. To stack/link you will require additional add-on 'kits' that are available from your dealer.

Packing

All components of the Expandacom are packed to ensure that they are not damaged during transportation, loading and unloading under normal circumstances. The smallest transportation cube is achieved in this packing process.

Spare parts

All components are replaceable. Additional window and door panels can be added to the original structure at any time.

Due to our continuous product development programme we reserve the right to change the specification without prior notice.

Expandacom is not designed to comply with U.K Building Regulations approval.

| Weight | |
|--------------------------------|-------|
| Chassis (per section) | 82kg |
| Blank wall panel | 17kg |
| Window panel | 40kg |
| Door panel | 55kg |
| Inner roof panel | 15kg |
| Outer roof panel (complete) | 204kg |
| Outer roof panel (per section) | 80kg |

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Additional accessories available

- Window grill
- Stacking/lifting kit
- Linking kits

- **Expandacom electrical pack**

Make the most of your Expandacom by providing light and power. Each electrical pack consists of:

- 1 x 3 way consumer unit with RCD & MCBs fitted
- 2 x Double wall sockets
- 2 x Double surface mounted back boxes
- 1 x 2kW heater
- 2 x Light fittings c/w diffusers
- 1 x Light switch
- 1 x Fused switch
- 2 x Single surface mounted back boxes
- 1 x External 32 Amp socket
- 1 x External 32 Amp plug
- 20m x 1.5mm T & E cable
- 20m x 2.5mm T & E cable
- 12m x 16mm self adhesive trunking
- 12m x 25mm self adhesive trunking



expandarange

Other great storage and accommodation solutions include:



Expandachem- Flat-packed storage unit for the safe storage of chemicals and lubricants



Expandastore- Flat-packed storage unit



Expandakabin - Flat-packed office unit home and commercial use



Bikestore- Flat-packed secure storage unit for cycles, motorcycles and tools



Gardenstore- Flat-packed secure storage unit for all your garden equipment



Expandakiosk- The UK's market leading insulated, man portable kiosk

The Expandarange of flat-packed buildings is available from:

TP Structures Ltd

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www.tpstructures.co.uk