



Cold & Freezer Rooms



PRE-FABRICATED POLYURETHANE PANELS

Altitude kit set cold room solutions are distributed exclusively throughout Australasia. These premium modular, polyurethane insulation rooms provide a simple, quick and flexible cold or freezer room solution, and can be supplied to suit any modular size requirement.

STANDARD FEATURES

- Modular insulated panels - any size room or combinations
- 75/100/150mm, high density polyurethane panels & floor
- Zero ODP injected polyurethane insulation
- White colourbond finish - interior / exterior
- Durable chequer-plate flooring
- Unique tongue & groove, cam-lock construction
- Soft rubber gasket between all joints - no need for silicon
- Simple, quick assembly / disassembly
- Wide 180°, recessed hinged door opening - 900mm x 1900mm (h)
- Internal, luminous, door safety release
- Kason latch (lockable) & strike, Kason self-raising hinges
- Hydraulic door closer, ensuring air-tight seal
- Heated door-frame & pressure relief vent
- Light switch with indicator on/off lamp



Many cold and freezer rooms on the market are made of polystyrene panel (EPS). EPS can absorb and hold over 40% of moisture such as fat, oil and water from a kitchen environment, which can make them highly flammable. Our panels are made of high density injected polyurethane panel system: Uses self-extinguishing foam, is environmentally friendly, holds no moisture.

QUICK INSTALLATION

The Camlock joining system requires no sealants; Tongue and groove profile with soft Polyethylene gasket joint ensures that the installation is completely air tight. Rooms can be easily assembled and disassembled if required. Two people can assemble a typical room in 3 hours in normal conditions, rather than 1 day or more for a non-modular room, providing installation savings over AU\$1000 when completed by a trained installer in ideal site conditions.



DOORS

Hinged doors feature lockable Kason latch and strike mechanism, self-closing hinges, a luminous internal safety release, and all doors have a heated door frame. Heated wires in the door can be replaced easily without the need to replace the whole door. A variety of door options are available including fully recessed hinged doors, sliding doors, glass door inserts, hatch doors and strip curtains.



PANEL OPTIONS

Modular panel systems are available in various widths depending on overall size, and up to heights of 10m. 75mm, 100mm, 150mm thickness options.

IMPROVED EFFICIENCY

Standard 100mm polyurethane panels (for both cold and freezer rooms) are up to 50% more efficient when operating in high ambient conditions, compared to 75mm and 80mm EPS panel systems.



STANDARD INCLUSIONS

Heated door frame, pressure relief vent, light switch, bulk head light fitting, lockable latch, camlock tool, grommet plugs.

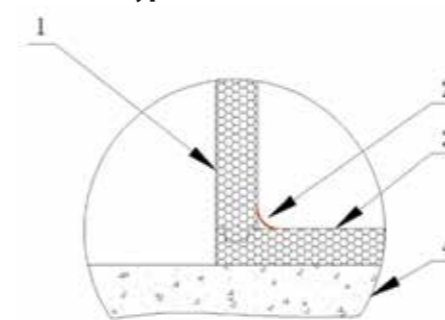
FLOORS

Standard rooms are supplied with a pre-fabricated, insulated chequer plate floor. Marine plywood is used for extra strength and durability between polyurethane and chequer plate. The rooms can be supplied without a floor if required or with bare slabs of polyurethane for concreting.



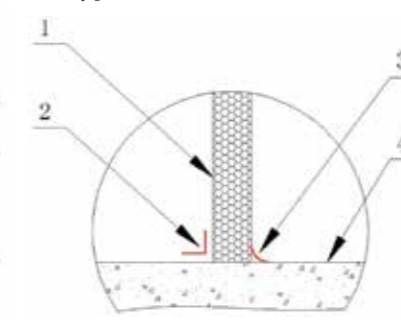
PRE-FABRICATED FLOOR (STANDARD)

Typical Pre-Fab Floor



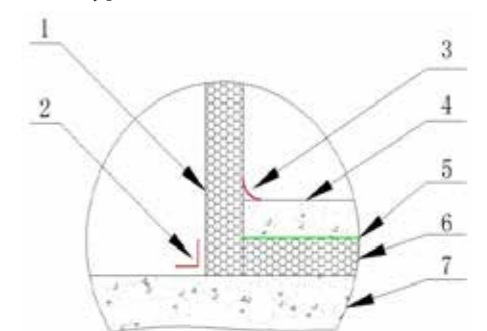
1. Wall panels
2. Internal aluminium coving kits (optional)
3. Floor chequer plate finish
4. Level concrete slab

Typical Non-Insulated Floor



1. Wall panels
2. Angle aluminium
3. Internal aluminium coving kits (optional)
4. Level concrete slab

Typical Concrete Finish Floor



1. Wall panels
2. Angle aluminium
3. Internal aluminium coving kits (optional)
4. Concrete slab over insulation
5. Plastic sheet (vapour barrier)
6. Polyurethane foam slabs
7. Level concrete slab

Note: Pre-Fabricated cold rooms require a smooth, level concrete slab. Clearance of 50mm round all walls - For easy installation.

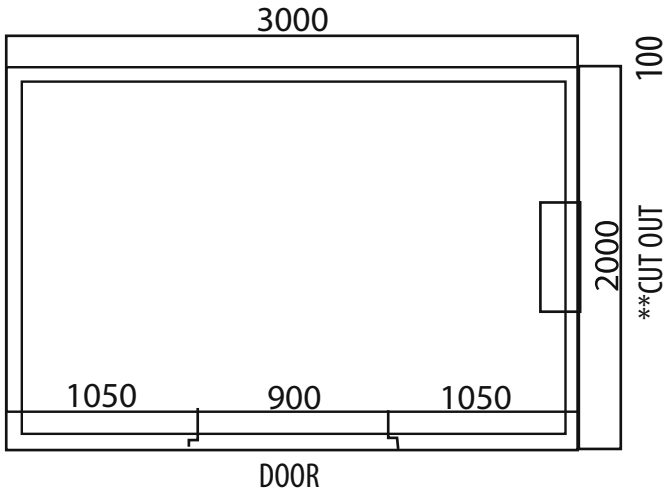
REFRIGERATION SYSTEMS FOR HIGH AMBIENT TEMPERATURE APPLICATIONS

Cold and freezer rooms can be supplied with refrigeration systems designed and rated to operate efficiently up to ambient temperatures of + 43°C.

- OPTIONS:**
- Remote condensing unit with matching room Evaporator
 - Drop-in (through roof)
 - Plug-in (through wall)

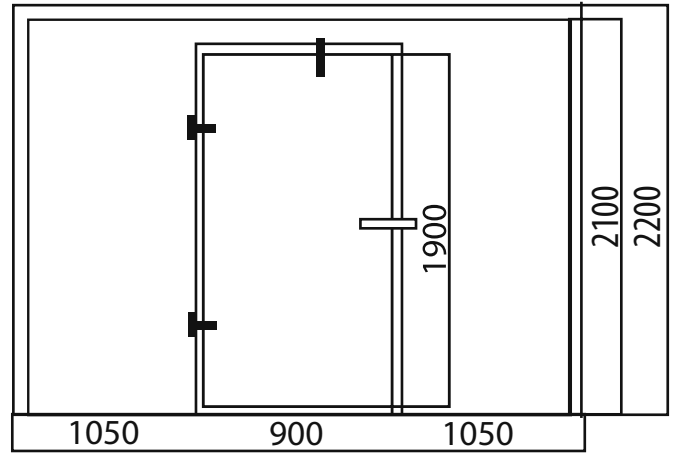


EXAMPLE OF LAYOUT DRAWING



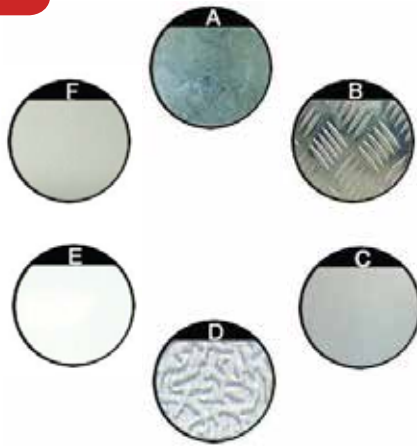
PLAN VIEW

**FOR PLUG-IN UNIT



SECTION

WALL & FLOOR OPTIONAL FINISHES



- A: Galvanised
- B: Aluminium Chequer Plate
- C: Stainless Steel
- D: Stucco Aluminium
- E: Colourbond
- F: Custom



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