

Ecohousing

Building Systems



PRODUCT INFORMATION

WALL PANEL SYSTEM

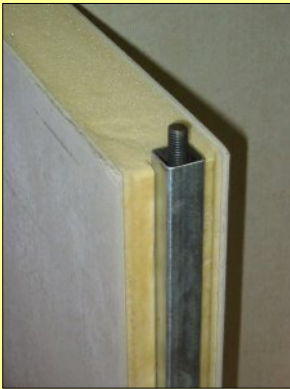
QUICK FACTS

The Wall Panel System

Ecohousing Building Systems has created a unique wall panel system. The wall panels are very strong and **lightweight**. The panels comprise of high pressure injection bonding of **structural polyurethane PUR** between sheets of fibro-cement. The polyurethane core offers excellent sound absorption and **exceptional fire resistance**. Panels are 900mm wide and are available in lengths of 2.4m, 2.7m, 3.0m, 3.3m and 3.6m as well as thickness of 80mm or 104mm. Cladding Panels are available in 60 & 80 mm with R values of R 3.01 and R 4.02

Key Features

- High R rating; 80mm R 4.02, 104mm R 5.37 (double industry standards)
- Energy Efficiency – Highest Star rating
- No cavities, no gaps, no cold bridges, no thermal leaks
- **Indoor** and **outdoor** applications
- Weather resistant
- Cladding Panels available 60mm & 80 mm



The Uses

Wall panels can be used in a wide variety of different projects for both **residential** and **commercial** buildings. Designed for:

- Housing
- School Classrooms / Community Centres
- Shopping Centres / Warehouses
- Packing Sheds

Easy Erection

The wall panel system has many features that make it very fast to install including:

- All walls are structural and load bearing
- Easy joining to adjacent panels
- Strong PU glue bonding between panels

Polyurethane Advantage

Polyurethane structural foam has been in use for more than 50 years to manufacture building and refrigeration panels. It is inert and has a **closed cell homogenous structure** that is fire retarded with no oxygen to carry flames whilst retaining its insulation values throughout its life, it has been monitored for over 50 years without signs of deterioration. It is used in all domestic refrigerators where the freezer section is normally at minus 20°C. The insulation section is much thicker in our wall and roof panels, giving exceptional high insulation values.

Safety Features

Safety is always a key feature and Ecohousing wall panels stack up.

- Fire Safe (See fire safe brochure for further details).
- Highest cyclone rating possible certified by James Cook University
- Absolute structural strength and integrity

Ecological

- CO₂ Production Emission savings
- Vermin, ant and termite safe without any poisonous harmful chemicals
- Low embodied energy
- No building waste
- Steel/wood stick frame not needed in construction



For More Detailed Information

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