

# **Ecohousing**

## **Building Systems**



### **PRODUCT INFORMATION**

## **ROOFING PANEL SYSTEM**

### **QUICK FACTS**

# QUICK FACTS

## The Roofing Panel System

Ecohousing Building Systems has created a unique roofing panel system. The roofing panels are very strong and **lightweight**. The panels comprise of a high pressure injection bonding of **structural polyurethane PUR** between sheets of Smartspan® in Colorbond® or zincalume. The polyurethane core also offers excellent sound absorption and exceptional fire resistance. They are complimented by the fitting of standard cappings and gutter systems.

### Key Features

- Panel lengths up to 9 meters
- Generous span capacity of up to 7 metres
- Available in all Colorbond® finishes
- Combination of lightness and construction method means speedier project completion
- Energy Efficiency – Highest Star rating
- Structural and self bracing
- Thermal value of R4.53 bare (Double the industry standard)



### The Uses

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

- Shopping Centres / Warehouses
- Packing Sheds / Livestock Sheds
- School Classrooms / Community Centres
- Houses

### Easy Erection

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

- Easy “click in” panel joining
- Easy screw fastening
- Standard Guttering

### 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 roof and floor panels, giving exceptionally high insulation values.

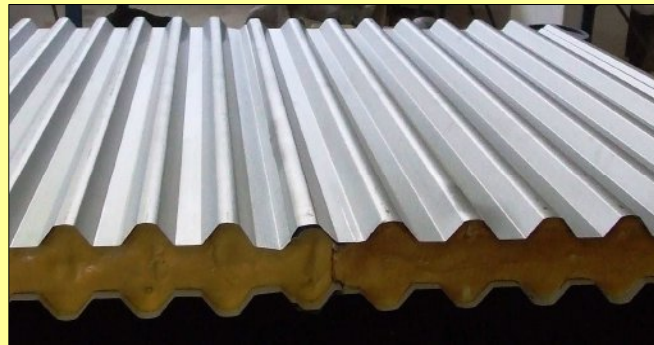
### Safety Features

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

- Fire Safe (See fire safe brochure for further details).
- Highest cyclone rating possible with permissible stress design load of 3.7kPa certified by James Cook University.

### Ecological

- CO<sub>2</sub> Production Emission savings
- Vermin(Rodents), ant and termite safe without any poisonous chemicals
- Low embodied energy
- No building waste
- No timber used in construction of roof



### For More Detailed Information

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