

Ecohousing

Building Systems



PRODUCT INFORMATION

ROOFING PANEL SYSTEM

QUICK FACTS

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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 Smartsan® 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

- CO₂ 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

Contact:

Ecohousing Building Systems Pty Ltd

2/15 Page Street, KUNDA PARK QLD 4556

Phone: (07) 5456 2111 Mobile: 0418 712 978

Email: bqdesign@ecohousing.com