

- ✓ AUSTRALIAN OWNED
- ✓ AUSTRALIAN MADE
- ✓ ISO 9001

PRINTECH™
Architectural Insulated Panel

A NEW RANGE OF POSSIBILITIES



Leading Insulated Panel Projects across Australia since 1963

**When it comes to
insulated, fire rated & architectural panel systems
one name stands out . . .**



www.australinsulation.com.au

- Fully insulated building system
- Lightweight, superior spanning
- Wall & roof systems
- Panel systems are available in a range of core materials
- Advanced climate control
- Cost efficient to install & maintain
- Premium Dongbu Steel has the ability to withstand corrosion and harsh Australian weather conditions
- Meets AQIS food industry standards
- Conforms to fire safety standards BCA Group 1
- 20 year warranty*

PRODUCT INFORMATION

MELBOURNE	(03) 9706 3277
ADELAIDE	(08) 8252 7188
PERTH	(08) 9249 4022

Living with panel

... Warm in winter, cool in summer, it's all about energy efficiency.

" Meeting mandatory energy efficiency standards requires the right choice of panel - Austral Insulation's system makes this choice easy."

The energy-wise home requires a complex of well insulated, high thermal mass, intelligent glazing and ventilation all arranged in a way that enhances comfort - anywhere in Australia.

Insulation is a paramount element for energy-wise commercial and residential structures. Lining the roof, walls and floor can reduce heat loss in winter and minimises heat gain in summer.

The principles of energy-wise come naturally to Austral, they are developed from years of experience in the controlled atmosphere industry.

Simple design techniques that can help you achieve a building that is comfortable in all seasons, using minimal energy and providing a quality lifestyle no matter where you live - and at no extra cost.



A CHOICE OF PANELS AND CORE MATERIALS

ECONOTILT™
EPS Core Insulated Panel

EXPANDED POLYSTYRENE - EPS Core is the industry proven core used in insulated panel construction for over 40 years.

It is ideally suited in temperature controlled applications and has an impressive strength to weight ratio.

EPS is the cost effective solution to rising building costs for foundations, framing and insulation.

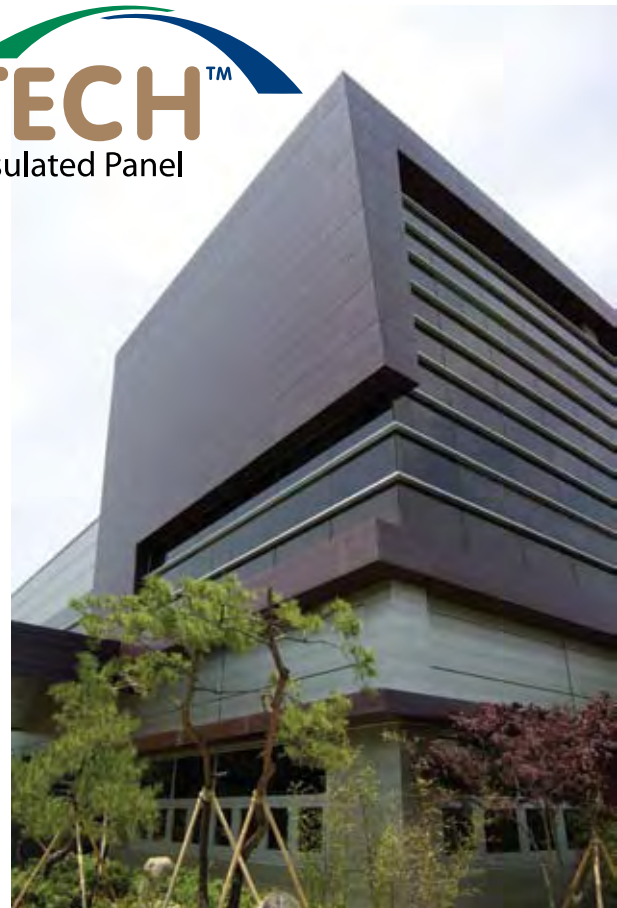
ECONODECK®
EPS Core Insulated Roofing Panel

EPS Core is the cost effective solution for a fully insulated roofing system, it's lightweight with superior spanning capabilities. For fast installation in any situation, Econodeck® offers occupant comfortability, introducing the owner or operator to the benefits of sustainability and energy efficiency.

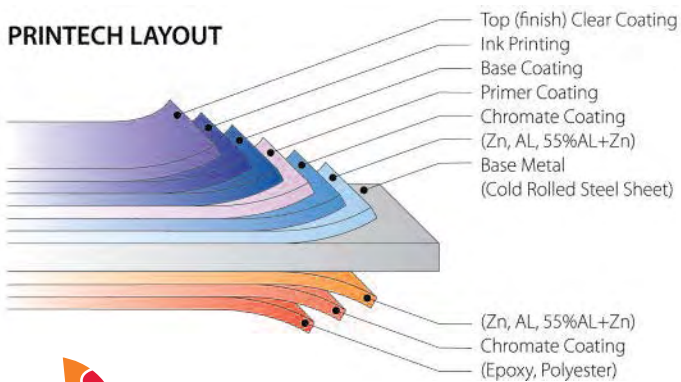


PRINTECH™

Architectural Insulated Panel



PRINTECH LAYOUT



A CHOICE OF PANELS AND CORE MATERIALS



In response to the growing demand for non-combustibility in sandwich panel construction, Austral have introduced a lightweight fire rated insulated core material that offers an alternative building solution.

* Insurer Approved FM Global Class 1



Econorock™ is manufactured from a high tech form of mineral wool produced from volcanic rock, with a melt temperature of well over 1100° C. This core material enables Econorock™ to achieve up to 180 minutes fire resistance (integrity and insulation) and is the only certified, non-combustible core in panel manufacture.



SPECIFICATIONS AT A GLANCE

Austral can now offer sandwich panels with a printed finish. The cold rolled steel skins have paint-coated or film-coated surfaces; the galvanized or aluminium steel skins enable patterns and designs to be formed on the surface. The choice available is suitable for both internal and external application with panels laid horizontally or vertically. Finishes range from wood grain, stacked stone, granite, zinc, rusted steel etc.
- our sales staff will gladly show you the sample books.

Core Material

Standard panel cores are self-extinguishing grade expanded polystyrene Class SL, manufactured to Australian standards. Steel skins are bonded to the core under pressure using a two-part thermosetting polyurethane adhesive. Other specialised cores are available on request. Generally, the lighter colours are preferred for external use, because they reflect solar radiation. Darker colours are more suited to fire rated panels such as XFlam™ and Econorock™. The various surfaces and colour choice can influence the price per square metre - our sales staff will gladly assist you in your selection.

Skins

Sheet thickness is 0.50mm for both surface skins. Panel skins are available with a choice of embossed finish:

- Stucco
- Woodgrain and
- GR-embo.

Other options available are paint finishes such as metallic, 3-dimensional, matt and gloss.

Dimensions

- Width: 1200mm as a modular standard.
- Thickness: 38mm and 50 to 300mm in multiples of 25mm.
- Length: As required, determined by handling, design and transportation.

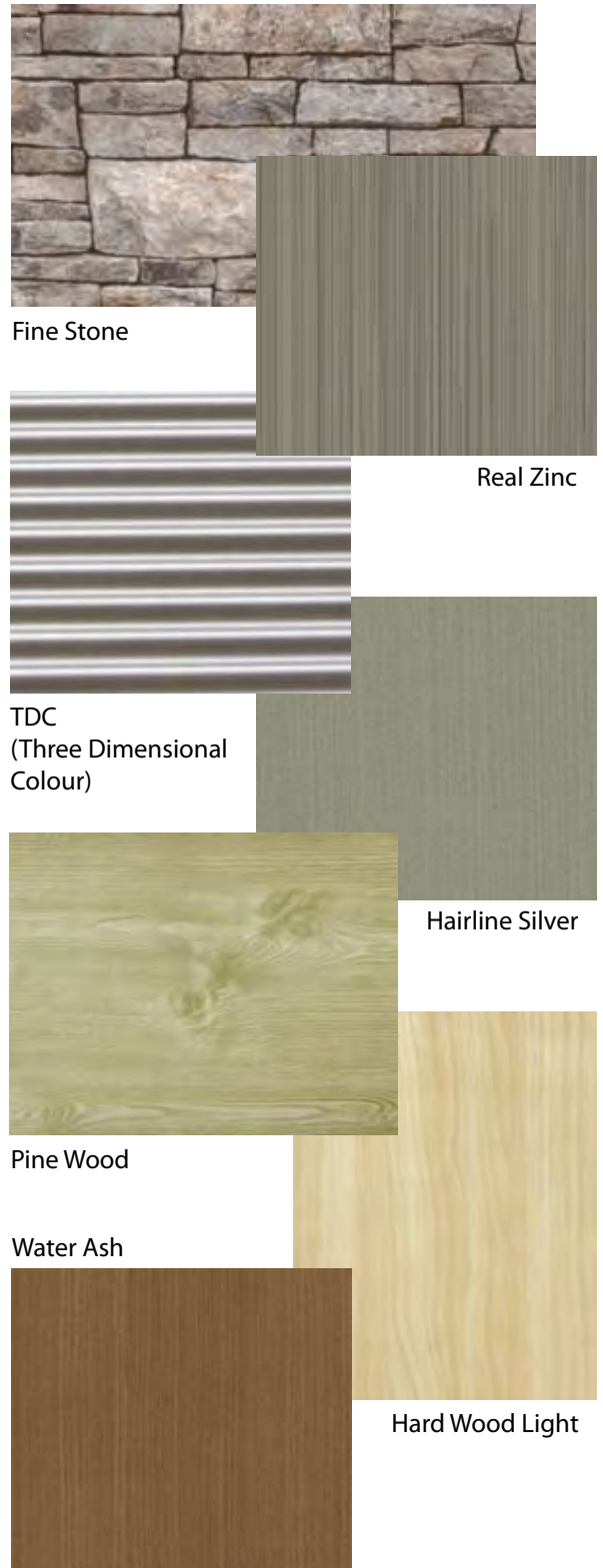
Profiles

Available with a flat surface finish or low profile of 0.75mm depth to either surface: 100mm Rib profile, 50mm Mesa Rib and Silkline. The Austral Slip-joint® is incorporated into the edges of both surface skins for easy installation.

THERMAL PERFORMANCE (SL Grade EPS core)

Panel Thickness (mm)	R value (m ² K/W)	U factor (W/m ² K)	Weight* (kg/m ²)
50	1.32	0.76	10.9
75	1.97	0.51	11.2
100	2.63	0.38	11.6
150	3.95	0.25	12.2
200	5.26	0.19	12.9
250	6.58	0.15	13.6
300	7.90	0.13	14.4

* Weight calculated using 0.6mm Galv. Steel skins



Orders for panel

All panels are manufactured to order. Orders should clearly state your requirements, including length, preferred colours and profile. The finishes as displayed in this brochure are available subject to specific ordered quantities.