



Panel Tech panels are an insulated structural sandwich panel consisting of metal outer surface bonded to an insulation core of fire retardant expanded polystyrene foam with a purpose designed thermosetting structural adhesive.

The panels are erected as a modular frameless building system, forming walls and ceiling or roofs, coupled at corners and perimeter with aluminium extrusion and fastened with pop rivets. The panels are joined at their sides with a unique cross transfer tongue and groove joining system.

#### DIMENSIONS

WIDTH	LENGTH	THICKNESS (mm)
Standard - 1200 (coverage)	To design requirements (limited by handling and transportation consideration)	Standard - 50, 75, 100, 125, 150, 175, 200, 225, 250 Optional - 30 to 250
Optional - 600, 900		

#### PANEL SPANS

INTERNAL APPLICATIONS									
	50	75	100	125	150	175	200	225	250
WALLS	5400	6800	7900	8700	9400	10100	10700	11200	11700
CEILING	3000	4500	5800	6900	8100	9000	9800	10200	10500

#### PANEL WEIGHT

	50	75	100	125	150	175	200	225	250
Kg/m <sup>2</sup>	11.3	11.6	12.0	12.3	12.7	13.0	13.3	13.6	14.0

#### INSULATION FACTORS

	50	75	100	125	150	175	200	225	250
U Value W/m	0.76	0.51	0.38	0.30	0.25	0.22	0.19	0.17	0.15
R Value m/Kw	1.32	1.92	2.63	3.29	3.95	4.61	5.26	5.92	6.58

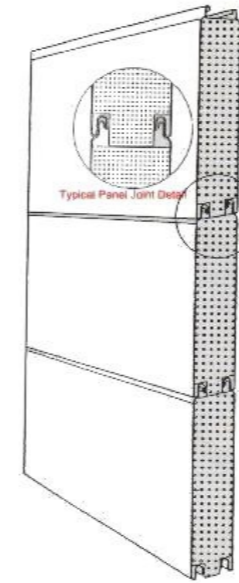
#### STANDARD PRODUCTS

COLOURBOND		OTHER
0.4 mm	Off White	0.7 mm Grade 304 stainless steel
0.6 mm	Off White	0.55 mm Grade 304 stainless steel
0.6 mm	Mist Green	Other material available on request
0.6 mm	Merino	Polyurethane Core Panel Styrofoam® Core Panel

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## PANELLOCK



University of Newcastle  
School of Architecture

## INSULATED PANEL SYSTEMS

#### APPLICATIONS

PANELLOCK can be utilized in many applications including:

- Cool & Freezer Rooms
- Architectural Cladding
- Agricultural Sheds
- Wineries
- Supermarkets
- Industrial Partitions

#### THERMAL EFFICIENCY

- Manufactured predominately with an expanded polystyrene core
- Substantial savings in heating and cooling costs.

#### VERSATILITY

- Wide range of internal and external colours and profiles.
- Long life, maintenance free, aesthetically pleasing finish.

#### EASE OF INSTALLATION

- Unique interlocking joint allows for reduced site time.
- Excellent strength to weight ratio reducing the load bearing structural support requirements.



FOR FURTHER INFORMATION PLEASE CONTACT:

SYDNEY • MELBOURNE • BRISBANE • ADELAIDE  
 02 9748 1611    03 9720 9096    07 3271 6333    08 8260 4966  
[www.paneltech.com.au](http://www.paneltech.com.au)    [sales@paneltech.com.au](mailto:sales@paneltech.com.au)