

# Stramit

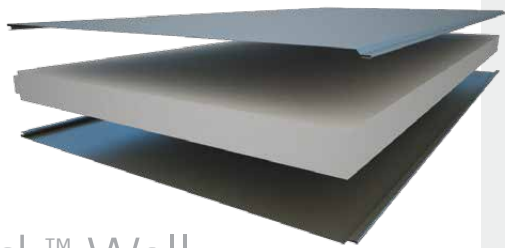
Insulated Wall & Ceiling Panels



PanelLock™ insulated panels provide a lightweight, environmentally friendly, insulated wall and ceiling system perfect for controlled temperature environments. The panels are suitable for any building project from internal walls to architectural and commercial building facades.

PanelLock™ insulated panels, offer excellent thermal insulation from an expanded polystyrene fire retardant foam core. (EPS-FR)

PanelLock™ panels provides superior insulation to minimise energy costs and has the benefits of an attractive, durable, low maintenance flat metal finish on either side. It is available in a choice of colours. The interlocking joint allows for reduced installation time.



# PanelLock™ Wall and Ceiling Panel

## Features and Benefits

### All-in-one Insulated Panel

PanelLock™ insulated panels incorporate internal and external metal finishes, as well as core thermal insulation, making it ideal for cold storage facilities, as well as commercial, industrial and architectural applications.

The fire retardant EPS-FR insulated core provides thermal insulation that also acts as a barrier to heat transfer and condensation. PanelLock™ insulated panels offer a long life, low maintenance, aesthetically pleasing flat metal finish, available in a choice of colours.

### Long Spans

PanelLock™ insulated panels have excellent span to weight ratio reducing the structural support requirements. It provides a cost effective method for cool room construction, factories, warehouses and architectural applications.

### Easy To Clean

PanelLock™ insulated panels enable easy cleaning due to flat panel skins. The effectively designed joint system is resistant to dust and mould growth. This makes it ideal for use in cool rooms and clean room applications.

### Standard Trims and Accessories

Stramit supply standard trims, flashings and a wide range of aluminium extruded channels and accessories to suit PanelLock™ insulated panels. These additional products facilitate fast and easy installation.

### Doors

Stramit supply standard and custom PanelLock™ insulated panel doors. The doors are available with door frame and accessories.

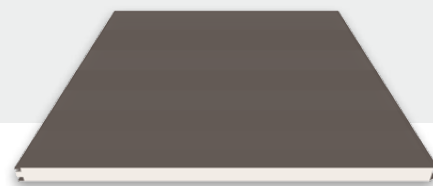
## Stramit PanelLock™ Insulated Panel

<b>Cover Width</b>	1200mm
<b>Panel Length</b>	Cut to order. Minimum 1200mm.
<b>Panel Thickness (mm)</b>	Standard: 50, 75, 100, 125, 150, 200
<b>Core Material</b>	SL Grade Expanded Polystyrene with Fire Retardant (EPS-FR). Other grades available upon request.

### Panel Properties

Panel Thickness (mm)	50	75	100	125	150	200	250
<b>Weight (kg/m<sup>2</sup>)</b>	11.8	12.1	12.4	12.8	13.1	13.8	14.5
<b>Wall Span</b>							
<b>Internal (m)</b>	4.5	6.0	6.9	7.5	8.0	9.4	10.0
<b>External (m)</b>	3.0	4.0	4.8	5.4	6.0	6.8	7.5
<b>Ceiling Non Trafficable</b>	3.3	4.5	5.4	5.9	6.4	7.2	7.9
<b>Thermal R-Value (m<sup>2</sup>K/W)</b>							
<b>External Wind Speed &gt; 7m/s</b>	1.3	1.9	2.5	3.2	3.9	5.2	6.5
<b>Internal Wind Speed &lt; 7m/s</b>	1.6	2.1	2.7	3.4	4.0	5.3	6.6

Note\* Spans are provided as a guide for internal wall 0.5kPa and external wall 1.0kPa, loads derived from AS1170.2 Fixing screws require engagement of 37mm into timber and 1.9mm into steel. Flashing fixings screw or rivet spacing of 250mm or less is recommended.



### Colour Range

Choose from the standard BlueScope Colorbond® colour range:



Note: Other colours are available on request subject to conditions.

## PanelLock™ Insulated Panel Applications

Some typical applications of the PanelLock™ Wall and Ceilings include:

- Cool and Freezer Rooms
- Temperature Controlled Laboratories
- Clean Room Environments
- Agricultural Sheds
- Commercial & Industrial Buildings
- Warehouses
- Wineries
- Architectural Cladding

The information in this brochure is, as far as possible, accurate at the date of publication. Before application in a particular situation, Stramit recommends that appropriate independent, qualified expert advice be obtained confirming the suitability of the product(s) and information in question for the application proposed. While Stramit accepts its legal obligations, be aware that to the extent permitted by law, Stramit disclaims all liability (including liability for negligence) for all loss and damage resulting from the use of information provided in this publication.

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