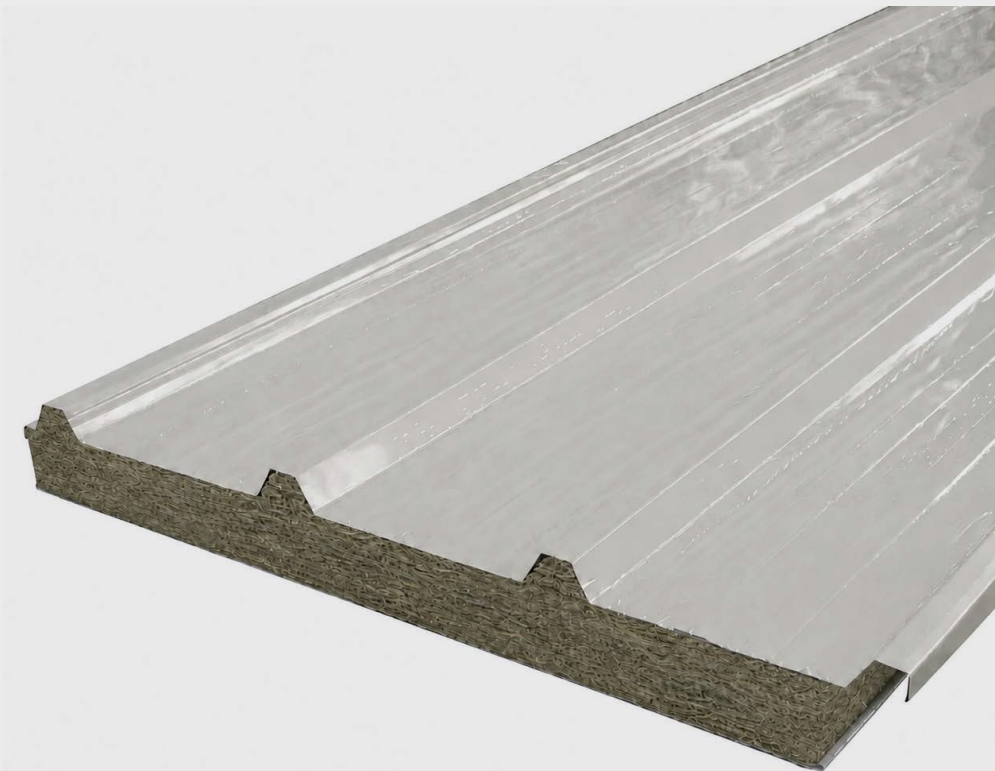


Insulated Panels
Australia

Rockwall Roof Panel

Product Data Sheet



Product Data

Product Overview

The Rockwool Roof Panel is a trapezoidal roofing solution manufactured with a high-density, non-combustible rock wool core. It provides excellent acoustic and fire performance together with an energy-efficient building envelope.

Application

Rockwool Roof Panels are through-fixed, trapezoidal-profiled insulated panels designed for a wide range of roofing applications. They are suitable for roof pitches of 5° or more after deflection.

Gradient: up to 3%



Dimensions, Thermal Performance & Weight

Panel Nominal Thickness (mm)	Overall Thickness (mm)	Product R-Value (m²K/W)	Total R-Value (m²K/W)		Weight* (kg/m²)
			Heat Flow Out (Winter)	Heat Flow In (Summer)	
50	85	2.5	2.06	1.90	18.6
100	135	3.4	2.52	2.30	20.6

Declared Product R-Value is calculated in accordance with AS/NZS 4859.1: 2018 as required for compliance to the National Construction Code.

The R-Values shown above are the total R-Values for the building element as required by the Energy Provisions of the National Construction Code, calculated in accordance with AS/NZS 4859.2: 2018. Rockwool Roof Panels are manufactured, tested and packaged in conformance with AS/NZS 4859.1: 2018.

* Actual weight subject to vary $\pm 10\%$ due to manufacturing and raw material tolerances.

Available Lengths

Standard lengths	2m-12m
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Cover Width

Standard cover width	950 mm
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Fixing Method

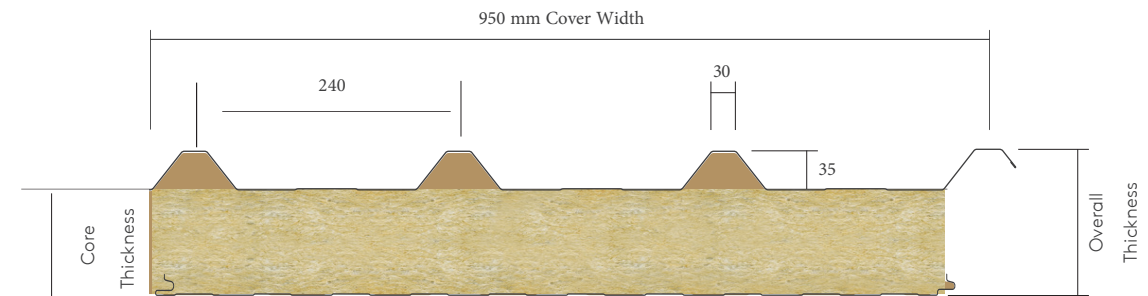
Through-fix.

Product Tolerances

Length	± 10 mm
Cover Width	± 2 mm
Thickness	± 2 mm
Facing Squareness	± 2 mm
Corners (Leg Length)	± 3 mm
Flatness	1.5 mm from the theoretical flat plane over a distance of 700 mm
Joint Gap	± 2 mm

Product Data

Profile

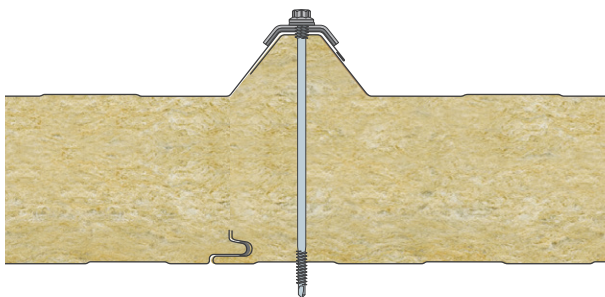


All measurements in mm.

Insulation Core

Rockwool Roof Panel are manufactured with a high-performance Rockwool core with a nominal density of 100 kg/m³.

Panel Joint



Product Data

Acoustic Performance

Core Thickness (mm)	80	100	120	150
SRI (dB)	30	30	31	31

For specific acoustic information contact Technical Services.

Materials

Outer Steel Plate

- Thickness: 0.5mm-0.8mm
- Colour: PE Painting, White Grey.

Inner Steel Plate

- Thickness: 0.4mm-0.8mm
- Colour: PEPainting, White Grey.

Colours and Coatings

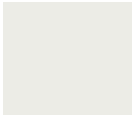
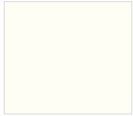
External Weather Sheet

Color low Ultra

Robust coating system with high levels of UV and corrosion resistance specifically developed for external environments.

Colour Options

Standard colour range offering is shown below:

			
RAL 7015	RAL 7016	RAL 7035	RAL 9002
			
RAL 9006	RAL 9007	RAL 9010	

Special colours are available upon request subject to extended lead times and minimum order quantities. Please contact Sales Manager for further information on colour options.

Internal Liner

Colorflow Essential

Smooth 25-micron RAL 9010 polyester coated facing, suitable for applications requiring a straightforward finish. The pre-finished steel is a product suitable for standard ceiling applications particularly in non-aggressive environments such as data centres, offices, schools, hospitals, hotels and residential sectors.

Colours are as accurate as possible but are for guidance purposes only. RAL reference numbers represent the nearest colours and are not exact matches to the coatings offered. Please ensure that you request a swatch sample from Kingspan to view accurate colour prior to specification.

Panel End Cut Back

Minimum Cut Back	50 mm
End Lap	150 mm
Eaves Cut Back	80 mm
Maximum Cut Back*	300 mm

*Notes: Cut backs only possible in increments of 10 mm. For cut backs larger than 150 mm, the core material and the steel at the cut back will not be removed and will have to be carried out on site by the installer.

Seals

All panel joints have factory applied seal fitting on the internal liner joint of the side-lap to automatically seal the adjacent panels.

Handing

Rockwool Roof Panels can be manufactured in both left to right handed (LH) and right to left handed (RH).

Quality and Durability

Rockwool Roof Panels are manufactured from the high quality materials using state-of-the-art production equipment to rigorous quality control standards, ensuring long-term reliability and service life.

Packaging

Rockwool Roof Panels are stacked weather sheet to weather sheet (to minimise pack height). The bottom panel is protected by either cardboard, depending on the type of packaging chosen. All packs are wrapped with spiral wrap stretch polyfilm. The number of panels in a pack will vary depending on panel thickness, steel configuration and length required.

Delivery

All deliveries (unless indicated otherwise) are by flatbed road transport to project site. Offloading is the responsibility of the client.

Contact Details

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