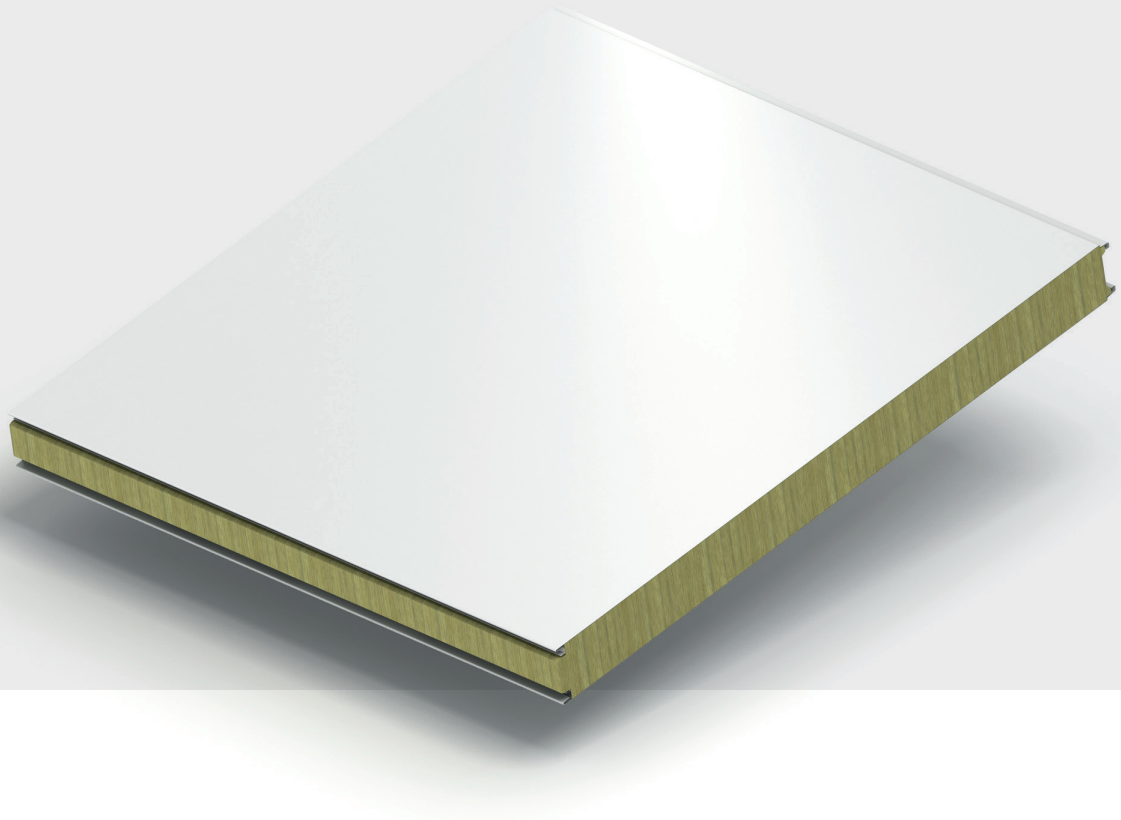
Insulated Panels
Australia

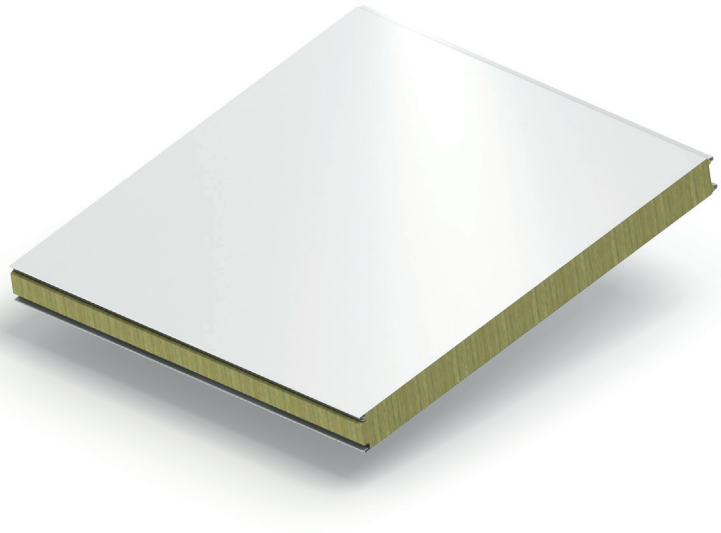
Eurobond Rockspan Roof Panel

Product Data Sheet



Kingspan®

Product Data



Product Overview

Eurobond Rockspan Roof Panel is a cost-effective roof solution. The through-fixed joint detail enables simple and fast construction.

Application

Eurobond Rockspan Roof Panels are through-fixed and can be used for building applications with roof pitches of 1° or more after deflection. The panels need to be overlaid with a third-party supplied mechanically fixed weatherproof PVC membrane, details of which can be provided by the relevant membrane supplier.

Dimensions, Thermal Performance & Weight

Panel Nominal Thickness (mm)	Product R-Value (m^2K/W) at 23°C	Total R-Value (m^2K/W)		Weight* (kg/m^2)
		Heat Flow Out (Winter)	Heat Flow In (Summer)	
150	3.10	3.42	3.17	28.2
175	3.65	4.00	3.69	31.2
200	4.17	4.54	4.18	34.2
240	5.02	5.44	4.99	39.0
300	6.29	6.78	6.21	45.4

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. Eurobond Rockspan Roof Panels are manufactured, tested and packaged in conformance with AS/NZS 4859.1: 2018.

* Actual weight subject to vary ±10% due to manufacturing and raw material tolerances.

Available Lengths

Standard lengths	1.8m - 11.8m

Cover Width

Standard cover width	1100 mm

Product Tolerances

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

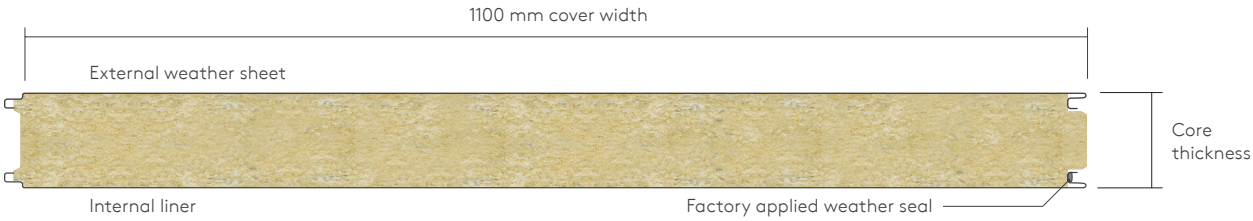
Fixing Method

Through-fix.

Profiles

External Profile: Flat.

Internal Liner: Flat.

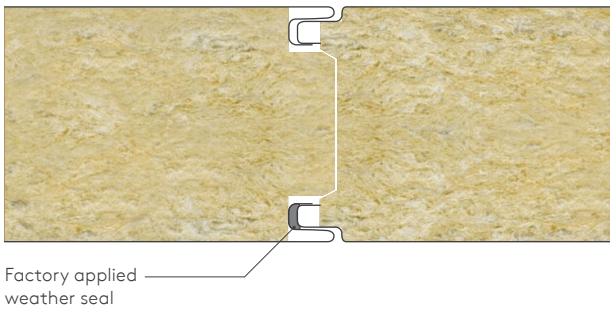


Note: Dimensions are nominal. Actual dimensions will vary due to manufacturing tolerances. Precise dimensions must always be measured from actual samples. All measurements in mm.

Insulation Core

Eurobond Rockspan Roof Panels are manufactured with a 115 kg/m^3 non-combustible stone wool core which is specifically designed to be used in insulated panels where excellent thermal and fire properties are required.

Panel Joint



Structural Performance

Please contact Technical Services for project specific support on the spanning performance of Eurobond Rockspan Roof Panels.

Certification and Testing

Fire Performance

Reaction to Fire

Eurobond Rockspan Roof Panels are Deemed to Satisfy (DTS) non-combustible under provision C1.9 (e) (Vii) of the National Construction Code.

Product	Test Method	Result
Eurobond stonewool	AS 1530.1 1994 (2016) - Combustibility test for materials	Not deemed combustible
Eurobond panel skin (uncoated)		Not deemed combustible

Test	Test Method	Result
Ignitability	AS/NZS: 1530.3: 1999	Ignitability Index: 0
Flame Spread		Spread of Flame Index: 0
Heat Release		Heat Evolved Index: 0
Smoke Release		Smoke Developed Index: 2

Acoustic Performance

Core Thickness (mm)	150	175	200	240	300
SRI (dB)	34	35	36	36	36

For specific acoustic information contact Technical Services.

Product Data

Materials

External Weather Sheet / Internal Liner

- Metallic coated steel in accordance with EN 10326.

Coatings

External Weather Sheet

Colorcoat Prisma®

Utilises cutting edge three layer manufacturing technology to create an optimised, robust and chrome free pre-finished steel product.

Offered in RAL 9010 white colour option only.

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

Internal Liner Sheet

Standard coating offering:

Colorcoat® PE25

Colorcoat® PE25 is a smooth 25 micron RAL 9010 polyester coated facing, suitable for applications requiring a straightforward finish.

The pre-finished steel is a product suitable for undemanding wall and ceiling applications particularly in non-aggressive environments such as data centres, offices, schools, hospitals, hotels and residential sectors.

*Please contact Technical Services for further information regarding substrates and coatings. Internal coatings subject to availability and panel cover width.

Seals

All panel joints have a factory applied weather seal fitted into the rear panel groove to automatically seal the joint between panels.

Quality and Durability

Eurobond Rockspan Roof Panels are manufactured from high quality materials using state-of-the-art production equipment to rigorous quality control standards, complying with ISO 9001 standard, ensuring long-term reliability and service life. The panels are also being manufactured under Environmental Management System Certification ISO 14001 and Occupational Health and Safety Certification ISO 45001.

Packaging

Eurobond Rockspan Roof Panels are stacked horizontally. The entire length of the panel is shrink wrapped. The number of panels in each pack depends on panel length, weight, and thickness. Typical pack height is 1200 mm. Additional corner and edge protection for container transport is offered upon request. Please contact Kingspan Customer Service for further information.

Delivery

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

Contact Details

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For the product offering in other markets please contact your local sales representative or visit www.kingspanpanels.com

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