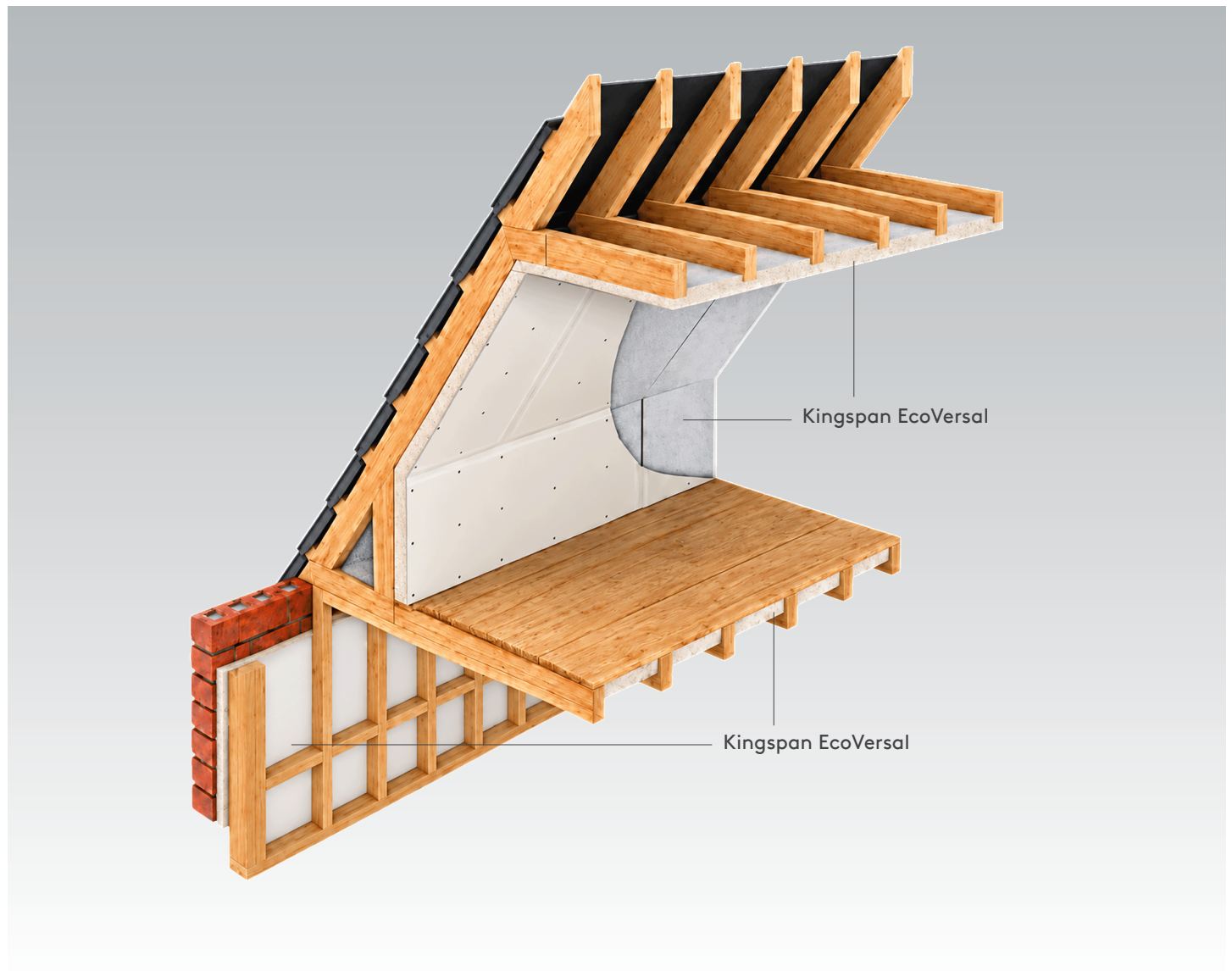


Product Data Sheet

EcoVersal

New Zealand made economical rigid PIR insulation for under floors, walls, roofs, and ceiling applications.



Note: Indicative render image for residential application

EcoVersal

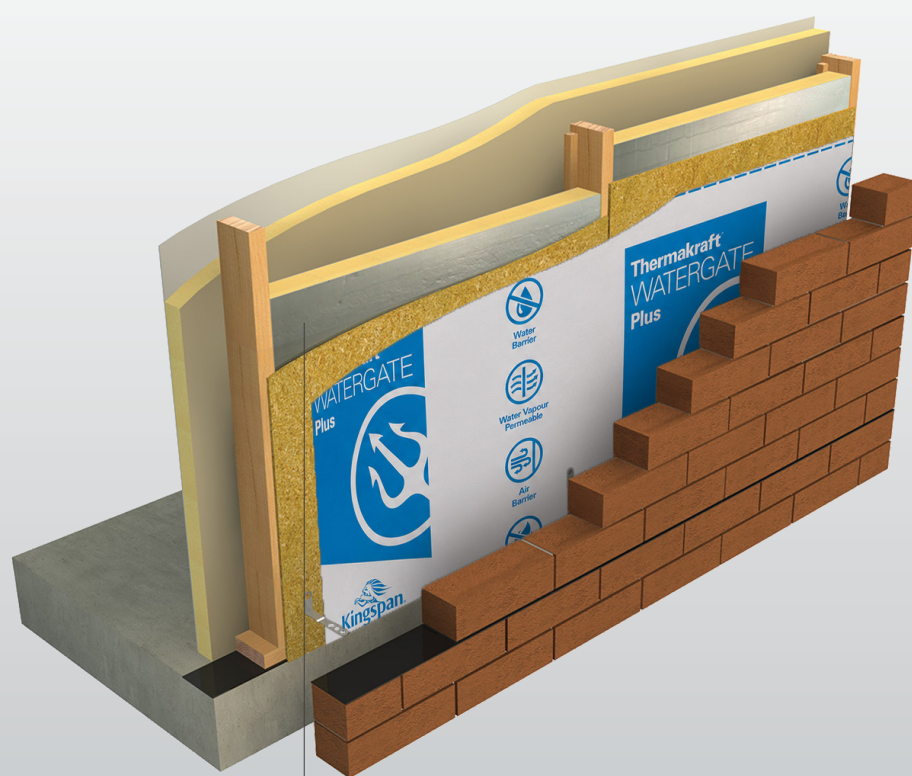


EcoVersal

Product Description

EcoVersal

EcoVersal comprises a fibre free rigid polyisocyanurate (PIR) insulation core with aluminium foil facings on both sides. EcoVersal is manufactured in Christchurch, New Zealand.



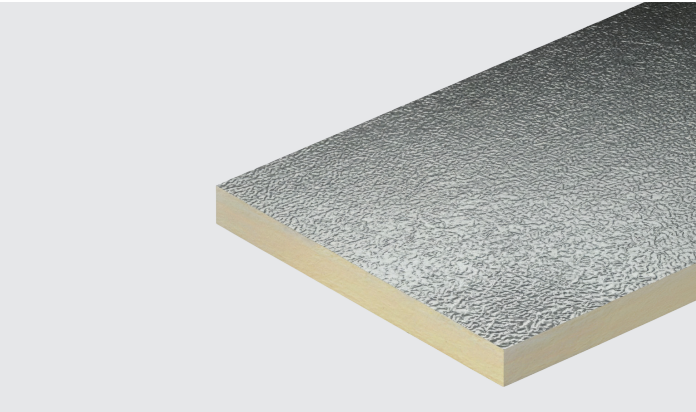
Kingspan EcoVersal

- Rigid polyisocyanurate (PIR) thermoset insulation
- Easy to handle and install
- Ideal for both new build and refurbishment

EcoVersal

Product Details

Product Description



EcoVersal comprises a fibre free rigid polyisocyanurate (PIR) insulation core with aluminium foil facings on both sides.

Product Data	
Thermal Conductivity at 15°C (λ-value) as per AS/NZS 4859.1:2018	0.024 W/m.K
Product Dimensions	1200 x 2400mm
Product Thickness	50mm, 80mm, 100mm
	Other thicknesses available on request

Product R-value

Nominal Product Thickness	Declared Product R-value at 15°C
50mm	2.10
80mm	3.35
100mm	4.30

The λ-values and R-values detailed on this page are quoted in accordance with AS/NZS 4859.1:2018. Product R-values are calculated using the calculated λ50/90, not the declared value.

Scope of Use

- EcoVersal is suitable for:
- New builds and refurbishment as external or internal continuous insulation
 - Direct fixing to concrete and masonry walls
 - Steel and timber framing, as external or internal continuous insulation or between studs or rafters
 - Light duty under floor insulation between floor joists.

General

- NZBC and AS/NZS 4859.1:2018 compliant.
- EcoVersal is not subject to a warning or ban under section 26 of the Building Act 2004, when used as per the product scope.
- EcoVersal does not require regular maintenance, however, damaged, dented, or fractured insulation boards must be replaced.
- EcoVersal is manufactured in Christchurch, New Zealand.

Specification Guide

The insulation shall be Kingspan EcoVersal ____ mm thick as per planned design, comprising a rigid thermoset insulation core with aluminium foil facings on both sides, and shall be installed in accordance with the proprietary system instructions.

Limitations

- Cannot be exposed to weather elements.
- Not a component for structural bracing.
- Not a fall arrest product.
- Not a flat roof board for membrane roof systems (see KingspanTherma products).
- Not to be in direct contact with wet concrete. A separation layer is required.
- Do NOT stand on or support your weight on EcoVersal.

Compliance

EcoVersal insulation boards meet the performance requirements of NZBC, Clauses B2 Durability (B2.3.1 (a) 50 years), Clause E3 Internal Moisture (contributes to E3.3.1), and Clause H1 Energy Efficiency (contributes to H1.3.1 and H1.3.2E) by testing and comparison with acceptable solutions H1/AS1 and H1/AS2 and verification methods H1/VM1 and H1/VM2 providing:

- It is not damaged, dented or fractured.
- It is installed in accordance system installation instructions.
- It is installed by or under guidance of Licensed Building Practitioners.

Product Testing

Parameter	Test Method	Result
Compression at 10%	EN826:2013	Average exceeds 100 kPa
Flame Propagation AS 1366.2:1992	AS 2122.1:1993	Complies

EcoVersal

Product Details

Environmental Data

EcoVersal is manufactured to the highest standards and certified under the following management systems:

Aspect	Characteristic
Re-usability	Re-usable if removed with care (long term of service expected)
Water Use	No water used in Kingspan Insulation's manufacturing process
Blowing Agent	Manufactured with a blowing agent that has zero ODP and low GWP
CFC/HCFC	Product CFC/HCFC Free

Warranty

When EcoVersal is installed in accordance with the scope of use and the installation instructions then Kingspan EcoVersal is warranted for a period of 10 years for both residential and commercial installations.

Storage and Handling

The packaging of EcoVersal should not be considered as adequate for outdoor protection. Boards need to be stored inside of the building. If, however, outdoor storage cannot be avoided then the boards should be stacked clear of the ground and covered with an opaque polythene sheet or weatherproof tarpaulin. Boards that have been allowed to get wet should not be used as this may cause delamination of facers.

Health and Safety

Kingspan Insulation products are chemically inert and safe to use. A Product Safety Data Sheet is available from Kingspan Insulation NZ Ltd. Ensure all relevant New Zealand health and safety guidelines are followed when using the product. Beware of sharp edges - it is recommended to wear gloves when handling EcoVersal.

EcoVersal has a foil facing, which is conductive. Care must be taken when installing to ensure there is no possible contact with electricity.

Warning: Do NOT stand on or support your weight on EcoVersal.



Product Warranty

Standard Kingspan Insulation Warranty applies. Refer to Kingspan Insulation Warranty statement for further details. This is available online at [kingspaninsulation.co.nz](https://www.kingspaninsulation.co.nz); or call us on 0800 806 595; or email info@kingspaninsulation.co.nz

For technical queries contact: technical@kingspaninsulation.co.nz or 0800 806 595.

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Kingspan Insulation NZ Limited (NZBN 9429045930393), reserves the right to amend product specifications without prior notice. The information contained in Kingspan's literature is given in good faith and based on good building practice but are not an exhaustive statement of all relevant information and are subject to any conditions contained in the Warranty. Recommendations for use should be verified as to the suitability and compliance with actual requirements, specifications and any applicable laws and regulations. All product dimensions and performance claims are subject to any variation caused by normal manufacturing process and tolerances.

Furthermore, as the successful performance of the relevant system depends on numerous factors outside the control of Kingspan (for example quality of workmanship and design), Kingspan shall not be liable for the recommendations in that literature and the performance of the Product. For other applications or conditions of use, Kingspan Insulation offers a Technical Advisory Service, the advice of which should be sought for uses of Kingspan Insulation products that are not specifically described herein. Please check that your copy of the literature is current by contacting us or visiting www.kingspaninsulation.co.nz E&OE

