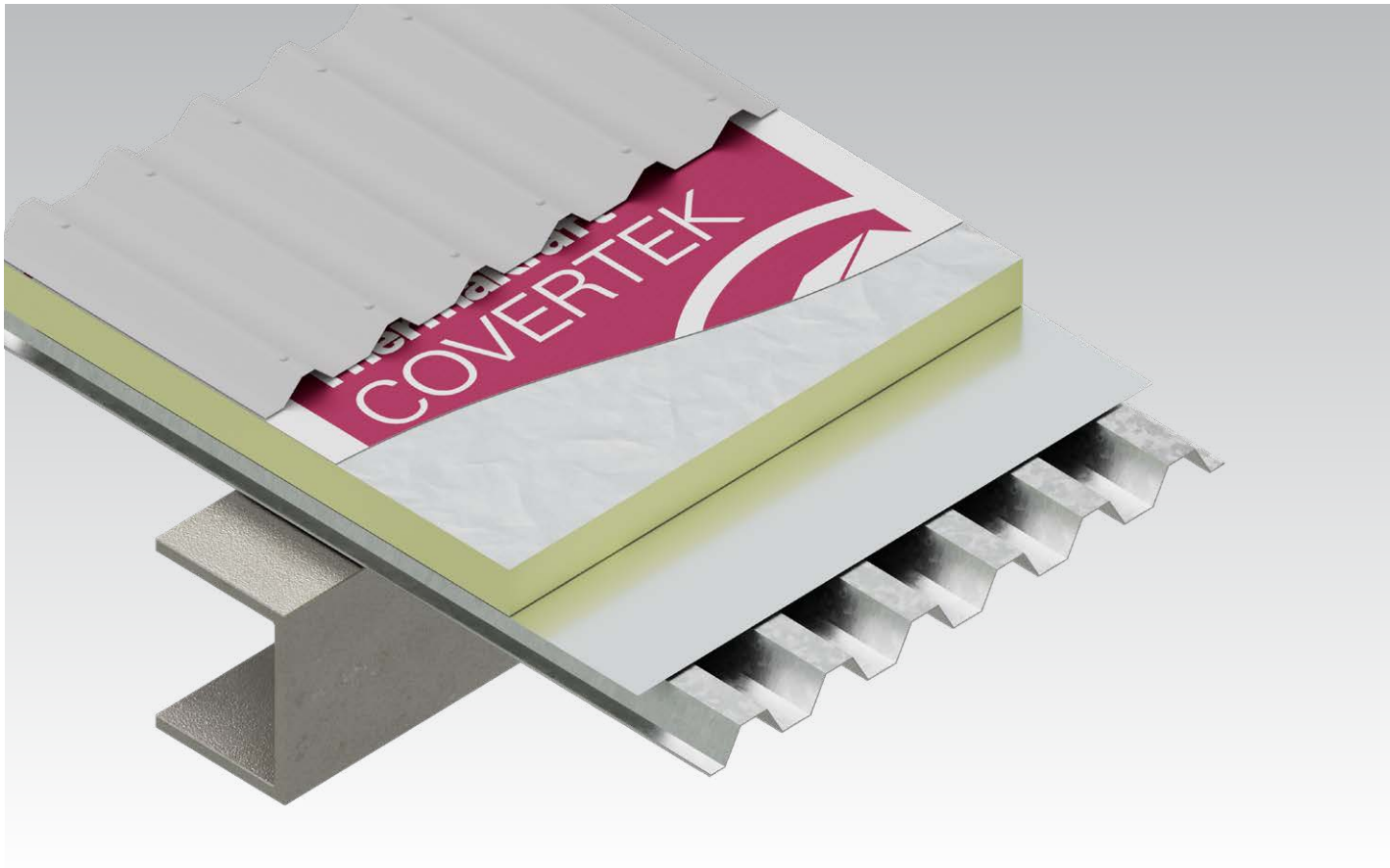
Insulation
New Zealand

Product Data Sheet
CaVap Alu 1500 UV-AC Self-Adhesive Vapour Barrier

Foil reinforced self-adhesive vapour barrier for flat sloping roofs and warm roof systems.



Thermakraft™

Kingspan®

CaVap Alu 1500 UV-AC
Product Description

Thermakraft™

Kingspan Thermakraft CaVap Alu 1500 UV-AC is a foil reinforced self-adhesive vapour barrier designed especially for flat sloping roofs and warm roof systems.

The product is coated with an acrylic adhesive on the underside and has an adhesive-free edge zone 1-2 cm wide on both sides. This facilitates handling when removing the protective film. Thermakraft CaVap Alu 1500 UV-AC is manufactured in Germany.

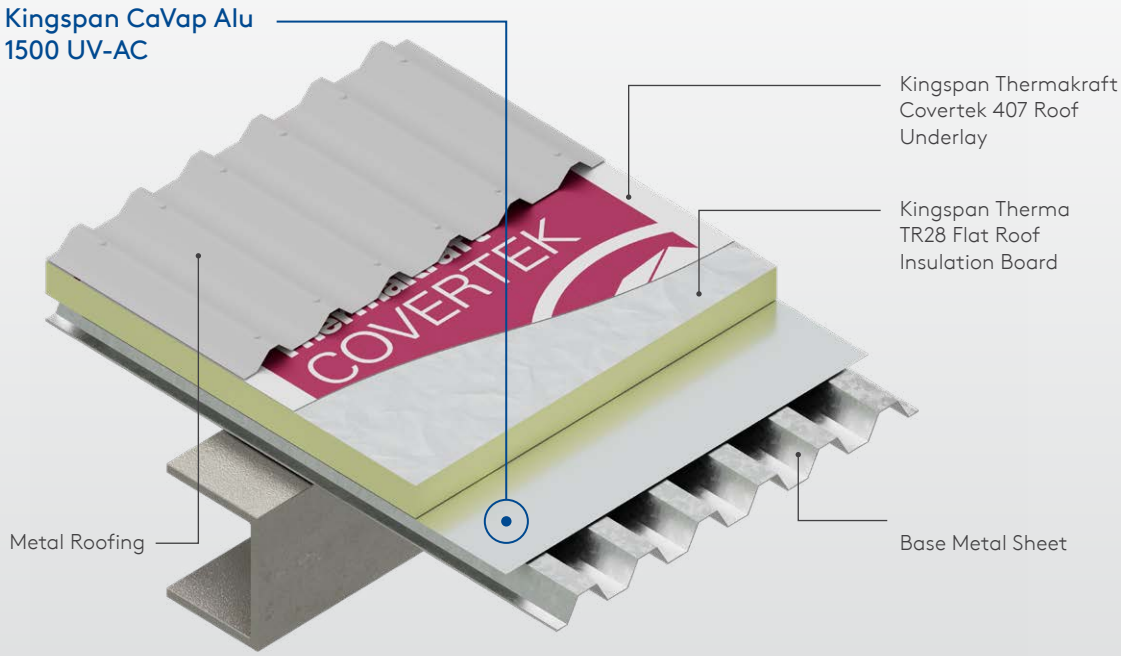


Figure 1. CaVap Alu 1500 UV-AC self-adhesive vapour barrier is used in warm roof systems, laid between the base metal sheet and the rigid insulation board.

- Easy to handle and install, with 1-2cm adhesive-free zone on both sides for easy handling
- Ideal for new build and refurbishment
- Compatible with warm roof systems
- Recyclable through saveBOARD™ New Zealand

Product Details

Product Description

Thermakraft CaVap Alu 1500 UV-AC Self-Adhesive Vapour Barrier comes in one roll size:

Product Description	
Product Code	TCVA1500050
Product Width	1500 mm wide
Product Length	33.4m long
Coverage	50m^2 coverage [1]

1. **Note:** m^2 is the roll size for actual coverage, allow for laps and joins.

Scope of Use

Thermakraft CaVap Alu 1500 UV-AC is intended for use as a vapour barrier layer, ideally for flat sloping or skillion roof construction, where condensation and moisture vapour control are **required behind the insulation material.** The product is installed as a self-adhesive membrane onto rigid substrates. Thermakraft CaVap Alu 1500 UV-AC is generally used within proprietary roofing systems.

General

- Unaffected by LOSP or other solvent based treated timber. However, LOSP or other solvent based treated timber must have sufficient time for the solvent chemical to flash off in a well-ventilated area. Recommended minimum 7 days.
- Thermakraft CaVap Alu 1500 UV-AC is not subject to a warning or ban under section 26 of the Building Act 2004 when used as per the product scope.

Limitations

- Application temperature above 5°C.
- NOT a flexible roof or wall underlay for exterior use.
- Must NOT be used under roof translucent sheeting or as a floor underlay.
- Must have a minimum clearance of 200mm from the chimney flue.
- Must NOT be left exposed to the weather or UV for more than 7 days.

Compliance and Durability

Thermakraft CaVap Alu 1500 UV-AC will meet the performance requirements of NZBC Clause B2 Durability B2.3.1b 15 years, provided:

- The product is used and installed according to Kingspan Thermakraft literature or the proprietary roofing system supplier's instructions.
- It is not damaged.
- It is not left exposed for more than 7 days, same day coverage recommended.
- It is installed by or under the guidance of Licensed Building Practitioners.
- It is compatible with cladding or proprietary system used.

For advice or information regarding Kingspan Thermakraft products refer to Kingspan Thermakraft literature, contact 0800 806 595 or visit **kingspaninsulation.co.nz**

Control of Condensation

In climatic regions where condensation risks are high, such as cold or high humidity areas, care needs to be taken in specifying the correct design and installation to prevent moisture build-up in the roof cavities.

Factors which adversely affect the condensation risk in roofing systems include:

- Humid, and/or cold climatic regions.
- Warm/Skillion roof construction.
- Low roof cavity air volume and restricted air movement.
- Incorrect installation or poorly designed details of the vapour control layer.
- Occupancy activities which have high moisture loading on conditioned spaces.
- Ceiling penetrations and entry of warm air into roof cavities.
- Bulk insulation.
- Building structures ability to naturally dry construction moisture.

Skillion and Warm Roof Construction are particularly sensitive to moisture accumulation and the design and installation of roof construction needs to take into account the higher condensation risks. Refer to the NZ Metal Roof and Wall Cladding Code of Practice (COP) for details.

For passive ventilation of the roof space, it is recommended that all roof underlays are terminated at the ridge, and if not, it should be slit or slotted to allow for passive ventilation. (For further information refer to the NZ Metal Roof and Wall Cladding COP).

Product Details

Product Warranty

Standard Kingspan Insulation Warranty applies. Refer to Kingspan Insulation Warranty statement for further details. This is available online at **kingspaninsulation.co.nz** or call **0800 806 595.**

Recycling and Waste

Most of our synthetic and foil underlays can be recycled through saveBOARD™ New Zealand.

For more information, and a location near you, please contact **info@kingspaninsulation.co.nz**

For Technical Support

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

For the latest product information, please scan the QR code.