



Installation Guide

DRAINAGE MAT

Synthetic drainage and ventilation layer

Thermakraft Drainage Mat is an extruded three-dimensional synthetic black mesh measuring 7mm thick. The product provides an uninterrupted drainage path and ventilation between the roof cladding and roof underlay.



Installation Guide

Long-run metal roofing/vertical or horizontal installation method

- Ensure that the roof underlay is free of damage and installed as per manufacturer's instruction.
- Thermakraft Drainage Mat may be laid horizontally or vertically on top of roofing underlay. Direction of laying should match the direction of the roof underlay.
- Only a butt joint is necessary between the Drainage Mat sheets. Long run steel cladding can be installed as per manufacturer's instruction.
- A range of fixings can be used with timber and steel frame buildings to temporarily position the Drainage Mat. However, any fixings used must be strictly of roofing grade. The long run steel roof cladding's fixings must permanently fix the cladding and Drainage Mat in position. Detail selection of fixings can be found in the MRM Code of Practice and NASH Standard.
- Tears or damage on the Drainage Mat must be trimmed off.
- Thermakraft Drainage Mat's strand entanglement is designed to withstand compression on forces caused by typical roof fixings.

Retrofitting Walls

- Ensure the wall cladding and building frame materials are in good condition (e.g. free from mould, no signs of rot or rust, and swollen material). Note, Thermakraft Drainage Mat must be clearly specified on the building design plans for council approval prior to installation.
- Ensure windows and doors are flashed and sealed to NZBC E2 requirements.
- Trim Thermakraft Drainage Mat to fit the desired wall cavity dimension.

- Trim Thermakraft wall underlay to fit the desired wall cavity dimension. The wall underlay is positioned on the Drainage Mat. Refer to the Thermakraft wall underlay installation guides for fixing types. The purpose of the wall underlay is to prevent water penetration.
- Ensure the wall underlay is installed taut.
- Take care around electrical cables and plumbing components.
- Refer to insulation manufacturer's installation guide for insulation installation. Must NOT select an insulation material that is thicker than the wall frame material width. Compressed insulation will result in a performance loss from the insulation and bulging of interior lining.
- The above installation guide for wall application represent generally accepted procedures. It may be followed, modified or rejected by the homeowner, designer, engineer or their representative to accommodate project specific requirements.

Application Tips

- Unaffected by LOSP or other solvent based treated timber. However, LOSP or other solvent based treated timber must have sufficient time for the solvent to flash off in well ventilated areas. Recommended minimum 7 days.

Handling and Storage

Thermakraft Drainage Mat must be handled with care to prevent damage such as tearing and roll deformation. The product must be stored under cover well away from direct moisture, rainfall contact and sunlight (UV). Care should be taken not to stack other materials on top of the product.



Drainage Mat installed, ready for underlay.



Drainage Mat with Watergate Plus installed.



Drainage Mat with wall lining and insulation.

Thermakraft Limited / 0800 806 595

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