

Thermakraft™

AUSNET

PRODUCT DESCRIPTION

AUSNET is a hexagonal galvanised steel wire mesh for use on timber and steel framing to support roof underlays, foils and glass wool insulation. The product consists of a pattern of woven flat 75mm hexagonal shape galvanised mild steel wires.

Important Note: AUSNET 75mm hexagonal mesh is NOT a Safety Mesh.

FEATURES

- Provide robust and even support for roofing underlays, foils and glass wool insulation.
- BRANZ appraised - Appraisal No. 1029 (2018)
- Wire conforms to Class W10 of AS/NZS 4534:2006 standard.
- Wires heavy galvanised coated to 150g/m² to maximise the overall product durability.
- Can be installed on timber and steel framing.
- Dual edge wires for ease of installation.

PRODUCT APPLICATIONS AND SCOPE

AUSNET (75mm mesh size) is for use on both timber and steel framing as a support for roofing underlays, foils and insulation under roof claddings. Roofing underlay includes synthetic membranes and traditional bituminous building paper.

Thermakraft Hexagonal Wire Mesh has been appraised by BRANZ as a roof underlay support, and also foil and insulation support on buildings within the following scope:

- The scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1 with regards to building height and floor plan area; and,
- With roof not less than 3 degrees; and,
- With profiled metal roof cladding; and
- With masonry tile roof cladding; and,
- With metal tile roof cladding; and,
- Situated in NZS3604 Wind Zones up to, and including Extra High.

Architects or building material specifiers are responsible for the building design and for the incorporation of Thermakraft AUSNET Hexagonal Wire Mesh into their design in accordance with the declared properties and the instructions of Thermakraft Limited.

AUSNET PRODUCT SIZES

THERMAKRAFT PRODUCT CODE	WIDTH	MESH SIZE	WIRE DIAMETER	LENGTH	AREA	COATING WEIGHT
AUSNET200075050	2m	75mm	1.00mm	25m	50m ²	150g/m ²
AUSNET200075100	2m	75mm	1.00mm	50m	100m ²	150g/m ²

INSTALLATION INSTRUCTIONS

Note: The below installation instructions must be read in conjunction with the BRANZ Appraisal No. 1029 [2018].

AUSNET must be run continuously across roof rafters, top truss chords or across purlins and be fixed in place. Joining between cut sheets along roof rafters, trust chords or purlins must NOT be carried out as sharp cut wire edges can pierce or puncture the roof underlay.

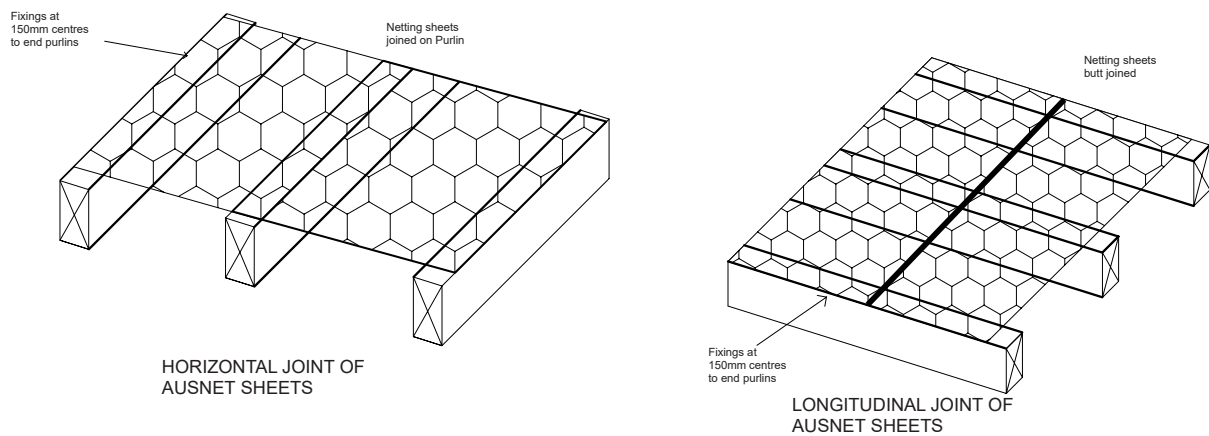
The installation direction of the AUSNET mesh must be the same as the underlay, foil or insulation's installation direction. For example, if the synthetic underlay is installed from the top point of the roof to the lowest point (vertically) then the AUSNET mesh will need to follow the same direction.

To fix AUSNET onto timber framing, use stainless steel staples, galvanised flat head clouts or fencing batten staples that are at least 25mm in length.

To fix AUSNET onto steel framing, use Class 4 to AS3566.2:2002 requirements or stainless steel self-tapping screws. Note, the self-tapping screw must project through the steel frame by at least 10 mm.

The fixing location of screws, flat head clouts, fencing batten staples or stainless staples must NOT be directly through the mesh's wire twist points as this can result in damaging the steel wire.

At the wire mesh ends, fixing must be applied at 150mm intervals so that the mesh cannot be pulled through the fixings.



Roofing underlay that requires an intentional sag as per the building design to facilitate water drainage must have the wire mesh installed with a sag to accommodate the underlay. Where roofing underlay does not require any sag, the wire mesh must be pulled taut.

Any cut wire edges on the roof gutter end must be covered by the metal flashing so that the cut wire will not pierce through or puncture the roof underlay. Inspections must be carried out by a qualified builder on site to ensure this is completed satisfactory before installing the roofing underlay.

AUSNET 75mm hexagonal mesh shall be used when all the following conditions are met:

- Wire mesh will be exposed to the weather for less than 3 days before roofing cladding is installed.
- The roofing material must comply to standard NZS 3604:2011 section 10 and 11.
- When AUSNET is installed as per Thermakraft's installation instructions, the product will meet the requirements of the New Zealand Building Code B2 Durability. This durability opinion is subjected to the AUSNET product being:
 - a. Enclosed within the dry roof space with no direct exposure to the weather upon the roofing completion work.
 - b. Not continuously exposed to corrosive environment and/or not exposed to high relative humidity environment greater than or equal to 90%.
 - c. Not installed in roof space where air extraction, air ventilation, kitchen exhaust fan or dehumidifying devices are venting directly into the roof space. Air extraction, air ventilation, kitchen exhaust fan or dehumidifying devices must be ducted out of the roof space so that moist air is discharged to the external environment.

HANDLING AND STORAGE REQUIREMENTS

AUSNET must be handled with care to prevent damages such as wire scratches and dents. The product must be stored under cover or in a indoor environment away from direct moisture and rainfall contact.

The product must NOT be (this includes partially used or unused product):

- Stored on soil, lawn or concrete floors for long periods as moisture from the ground can accelerate the corrosion reaction on the galvanised coating.
- Supporting other materials on top of the product.

PRODUCT WARRANTY

The product must be installed by or under the direct supervision of a Licensed Building Practitioner strictly in accordance with Thermakraft's instructions and requirements outlined in this document in respect of the product current at the time of installation. The product must be installed in conjunction with the components or products specified in this document.

Refer to Thermakraft warranty statement for further details. This is available online <http://www.thermakraft.co.nz> or call 0800 806 595.

Thermakraft™



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THERE IS NO SUBSTITUTE

The recommendations contained in Thermakraft's literature are 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. 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 Thermakraft (for example quality of workmanship and design), Thermakraft shall not be liable for the recommendations in that literature and the performance of the Product, including its suitability for any purpose or ability to satisfy the relevant provisions of the Building Code, regulations and standards. Literature subject to change without notification. Latest documentation can be found on the website.