

## TECHNICAL INFORMATION

### PRODUCT DESCRIPTION

Bayonet Roof Safe Netting consists of a woven flat hexagonal, galvanised mild steel wire netting with reinforcing wires spaced at 113mm centres. It is for use as a support for building papers, roof underlays, aluminium foil and glasswool insulation which provides a permanent safe working environment.

### APPLICATIONS

Bayonet Roof Safe Netting is for use on timber and steel framing as a support for roofing underlay and building paper under roof claddings, to provide a permanent safe working environment throughout initial roof installation and for any maintenance work in the future.

### PRODUCT INFORMATION

- When used for roofing, Bayonet Roof Safe Netting becomes a permanent fixture for the life of the building and provides the required safe working environment throughout initial roof installation and for any maintenance work in the future.
- Bayonet Roof Safe Netting can be used to support building paper, roof underlay, aluminium foil or glasswool insulation in roof spaces but is dependent on the site conditions. In all cases Bayonet Roof Safe Netting is not to be exposed to the elements for more than 7 days. 113mm Roof Safe Netting shall be used when all of the following conditions apply;
  - Wire netting will be exposed to the elements for less than 3 days.
  - The NZS 3604 wind zone is "High" or less, or for specific design cases the Design Wind Speed as determined from NZS 4203: 1992, must not exceed 44m/s.
  - Maximum rainfall is 1400mm/year.
- A wind barrier (rigid or non-rigid equivalent) may be constructed by using Bayonet Roof Safe Netting backing support for two layers of building paper or roof underlay. Where this method is used, the laps of each layer must be staggered, such that the lap centres of the first layer are no closer than 450mm from the lap centres of the second layer. The need for a wind barrier depends on the cladding type and the Wind Zone. The requirements are given in Clause 11.4.1 and Clause 11.5.2.6 of NZS 3604 and NZBC Acceptable Solution E2/AS1, Paragraphs 2.5.1 to 2.5.4.
- For all applications including roofs to specific design, the roof cladding materials must comply with Table 11.2 of NZS 3604.
- When used as a support for building paper or roof underlay in roof spaces in accordance with the manufacturer's instructions contained within this brochure, Bayonet Roof Safe Netting, 113mm mesh size, will meet the performance requirements of NZBC B2.3.1 (a), 50 years or B2.3.1 (b) 15 years as appropriate and will have a serviceable life in excess of 50 years. A 50 year durability is required where used to support a building paper or roof underlay under concrete or clay roof tiles. This durability opinion is contingent upon the products being:



- Enclosed within the roof space or wall cavity;
  - Subject to a dry interior environment where the building paper or roofing underlay are subjected to occasional wetting only and the roof and wall cladding are well maintained;
  - Not exposed to a corrosive environment;
  - Not exposed to relative humidities greater than 90%;
  - Not exposed to the atmosphere for more than one week before cladding is installed;
  - Installed where air extraction or dehumidifying devices are not vented into the roof space or wall cavity.
- Bayonet Roof Safe Netting, if used, installed and maintained in accordance with the instructions and conditions in this brochure, will meet the following provisions of the NZBC:
    - Clause B1 Structure: Performance B1.3.1, B1.3.2 and B1.3.4 for the relevant physical conditions of B1.3.3.
    - Clause B2 Durability: Performance B2.3.1(a), for support of building paper or roofing underlay behind masonry or concrete walls or under clay or concrete roof tiles, not less than 50 years. Performance B.2.3.1(b) for support of building paper and roofing underlays in roof and wall spaces which are easy to access or replace, not less than 15 years.
    - Clause F2 Hazardous Building Materials: Performance F2.3.1.

### HANDLING & STORAGE

Bayonet Roof Safe Netting must be handled with care to prevent damage to the netting. The rolls must be stored on end, under cover and protected from moisture. They must not be double stacked or used to support other materials. Bayonet Roof Safe Netting rolls must not be stored on concrete floors for long periods, particularly where moisture is present, as this can result in an accelerated corrosion of the galvanised materials.

### TECHNICAL DATA

Bayonet Roof Safe Netting consists of a hexagonal, 113mm flat mesh, manufactured from, 1.0mm diameter galvanised mild steel wire with 2 reinforcing wires of 1.2mm diameter. The 113mm roof safe netting is supplied in rolls 1800mm wide in lengths of 50m or manufactured to suit the length of your roof run.

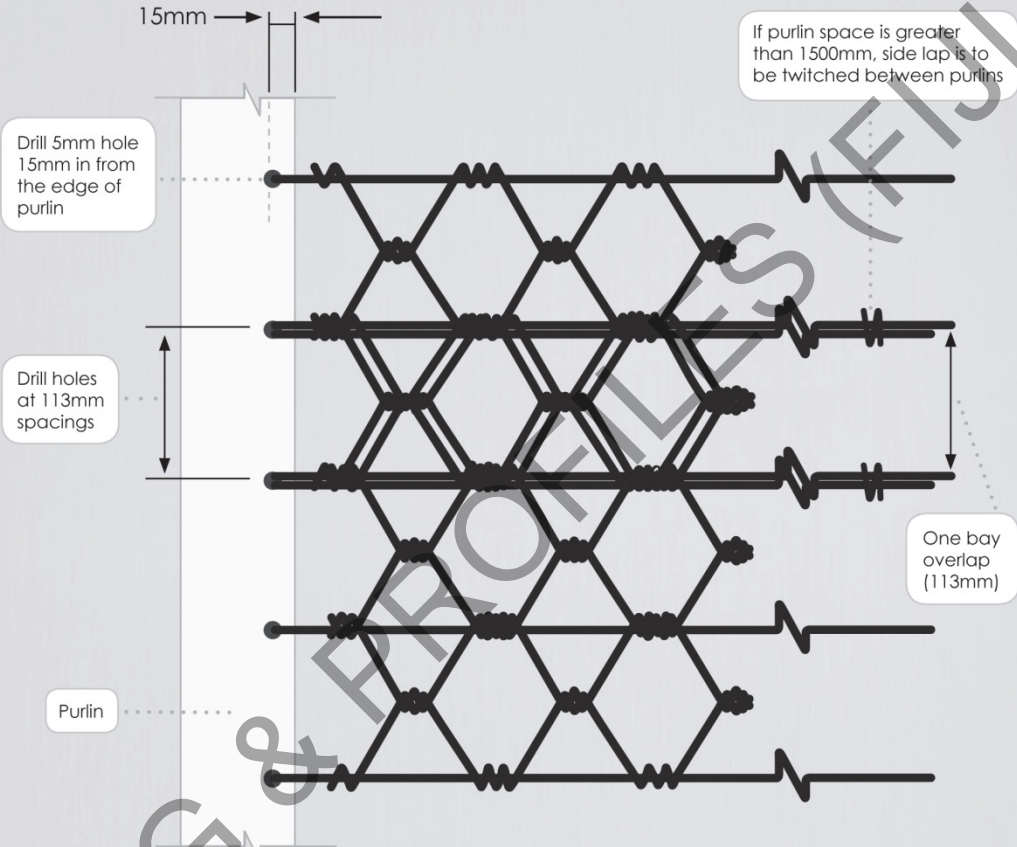
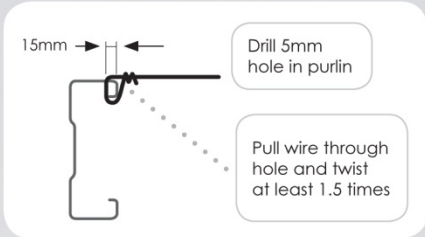
The wire used to manufacture Bayonet Roof Safe Netting conforms to Class W02 of AS/NZS 4534: 2006. Both wire diameters used to manufacture this product have a tensile strength of between 380 and 550 MPa. The minimum mass of galvanised coating is; 25g/m<sup>2</sup> for the 1.0mm diameter wire, and 30g/m<sup>2</sup> for both the 1.2mm diameter reinforcing wires.

**FIXING INSTRUCTIONS**

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As per Safety Mesh Standard  
AS/NZS 4389: 1996 (Append B)

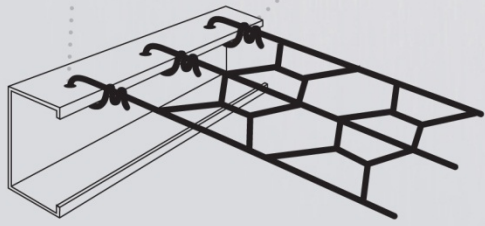
Before installation check with the local  
code of practice for safe work on roofs.



**Steel purlins**

Drill 5.0mm holes through purlin.

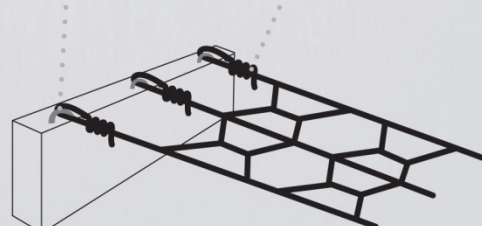
Push end of wire through hole. Loop it back up and twist it around the same wire at least 1.5 times.



**Timber purlins**

Secure reinforcing wire in position with 40mm staple.

Loop it back up and twist it around the same wire at least 1.5 times.



SIZE RANGE AVAILABLE

Product Code	Width (mm)	Mesh (mm)	Wire Diameter (mm)	Length (m)	Area (m <sup>2</sup> )	Weight (kg)	Barcode
SN180050	1800	113	Hex wire 1.0mm Reinforcing wires 2 x 1.2mm wires twisted together	50m Special length rolls available	90	29.67	9421026722799

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