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### SUMMARY OF FEATURES

- A woven hexagonal netting made from galvanised mild steel wire.
- Fixed onto the outside of building paper or wall underlay as reinforcement for exterior stucco plaster cladding.
- Heavy 150g/m<sup>2</sup> galv coating improves durability and rust resistance - up to 6 times longer life than light galv netting.
- Consistent appearance.
- Can be run straight or bent around corners such as window heads and reveals.
- Wire tensile strength is between 380 and 550 MPa.
- Galvanising complies with AS/NZS 4534: 2006 Class W10.
- Netting complies with NZS 4251: 2007.
- Kiwi made.

### TECHNICAL INFORMATION

#### Product Description

Bayonet Premium-6 Plasterer's Netting is a range of woven flat hexagonal, galvanised mild steel wire netting, for use as reinforcement for exterior stucco plaster cladding.

#### Applications

Bayonet Premium-6 Plasterer's Netting has been appraised for use as a reinforcing mesh with stucco plaster wall cladding:

- on buildings within the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1.
- complying with NZBC Acceptable Solution E2/AS1, Section 9.3.
- with timber framing of external walls supporting the cladding complying with NZS 3604 and NZS 4251.

#### Appraisals

BRANZ Appraisal No. 318 (2005).

#### Product Information

- Stucco plaster cladding design and installations incorporating Bayonet Premium-6 Plasterer's Netting reinforcement must comply with the requirements of NZBC Acceptable Solution E2/AS1, Section 9.3 and the sections of NZS 4251 and NZS 3604 referred to within NZBC Acceptable Solution E2/AS1, Section 9.3.
- Bayonet Premium-6 Plasterer's Netting is suitable for use as a metal reinforcement for stucco plaster over rigid and non-rigid backings and meets the performance requirements of NZS 4251, Paragraph 4.3.3(a) and Paragraph 5.3.3(a).

- When Bayonet Premium-6 Plasterer's Netting is used, it must be stretched taut and spaced (furred) out from the rigid or non-rigid backing by not less than 6mm or more than 9mm in accordance with the requirements of NZS 4251, Sections 4.3.4 and 5.3.4.
- Spacers used to hold Bayonet Premium-6 Plasterer's Netting off the backing material must be either 6mm to 9mm, 50mm square H3 timber plywood or fibre cement. Alternative spacers, such as 6mm to 9mm thick plastic, 30mm in diameter (such as the plastic lids to two litre plastic milk containers) are acceptable subject to Territorial Authority approval.
- Movement control joints in the stucco plaster cladding system must be installed as required in NZS 4251. Bayonet Premium-6 Plasterer's Netting must be stopped at control joints to ensure there is a complete break in the reinforcing.
- When Bayonet Premium-6 Plasterer's Netting is used as reinforcement for stucco plaster in accordance with the statements and conditions in this brochure, the stucco plaster cladding will resist the following loads:
  - wind face loads up to and including those associated with the Very High Building Wind Zone of NZS 3604; and,
  - earthquake face loads associated with construction complying with the scope limitations of Paragraph 1.1.2 of NZS 3604; and,
  - soft body impacts associated with domestic construction; and,
  - creep and shrinkage (subject to adequate curing and the plaster not being subjected to vibration, bending or shock in its early life, particularly within the first seven days).
- When Bayonet Premium-6 Plasterer's Netting is contained within a stucco plaster wall cladding, the stucco plaster cladding will have a serviceable life in excess of 25 years. This durability opinion is contingent upon the stucco plaster having sealant maintained at the joints and a weather-tight protective coating applied and maintained on the outside surface.
- Stucco plaster cladding systems must be inspected on an annual basis, and maintained and recoated as necessary to ensure they remain weathertight.
- Stucco plaster cladding systems, when designed, installed and maintained in accordance with NZBC Acceptable Solution E2/AS1, Section 9.3 and NZS 4251 meet the performance requirements of NZBC Clause E2.3.2, E2.3.5 and E2.3.6.
- Bayonet Premium-6 Plasterer's Netting, if used, designed, installed and maintained in accordance with the statements and conditions in this brochure, will meet, or contribute to meeting the following provisions of the NZBC:
  - Clause B1 Structure: Performance B1.3.1, B1.3.2 and B1.3.4. Stucco plaster cladding that complies with NZBC Acceptable Solution E2/AS1, Section 9.3, when reinforced with Bayonet Premium-6 Plasterer's Netting meets the requirements for loads arising from earthquake, wind, human impact and creep and shrinkage [i.e. B1.3.3 (f), (h), (j) and (q)].
  - Clause B2 Durability: Performance B2.3.1 (b), 15 years. Bayonet Premium-6 Plasterer's Netting meets this requirement.
  - Clause E2 External Moisture: Performance E2.3.2. Stucco plaster cladding that complies with NZBC Acceptable Solution E2/AS1, Section 9.3, when reinforced with Bayonet Premium-6 Plasterer's Netting meets this requirement.

- Clause F2 Hazardous Building Materials: Performance F2.3.1. Bayonet Premium-6 Plasterer's Netting meets this requirement and will not present a health hazard to people.

### Handling & Storage

Handling and storage of the product, whether on or off site, is under the control of the installer. Bayonet Premium-6 Plasterer's 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 Premium-6 Plasterer's 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 galvanising.

### Technical Data

Bayonet Premium-6 Plasterer's Netting stucco plaster reinforcement consists of a range of hexagonal, 25mm and 19mm flat mesh, manufactured from 1.0mm diameter galvanised mild steel wire. The 25mm mesh size is supplied in rolls 1200mm and 900mm wide in lengths of 50m, 10m and 5m and the 19mm mesh size is supplied in rolls 900mm wide in lengths of 50m, 10m and 5m.

The wire used to manufacture Bayonet Premium-6 Plasterer's Netting conforms to Class W10 of AS/NZS 4534: 2006. The 1.0mm wire has a tensile strength of between 380 and 550 MPa and the minimum mass of galvanised coating is 150g/m<sup>2</sup>.

### Installation Information

Installation must always be carried out in accordance with the information in this brochure, by competent solid plaster tradespersons.

Prior to installation of the Bayonet Premium-6 Plasterer's Netting, ensure the framing system and cavity battens have been installed in accordance with the requirements of NZBC Acceptable Solution E2/AS1, Section 9.3.

Where rigid backing material has been installed, check that the material has not distorted more than 5mm between the cavity battens before fixing the reinforcement. Where a rigid backing is used, Fastwrap Wall Wrap must be installed over it to act as a slip layer before fixing the wire netting reinforcement.

Where non-rigid backing material is used, ensure that the wrap is taut and appropriately supported so that it does not deviate more than 5mm between battens.

Bayonet Premium-6 Plasterer's Netting reinforcement must be stretched taut. The mesh must be spaced off the backing material using spacers at 150mm centres on all framing centre lines.

Bayonet Premium-6 Plasterer's Netting reinforcement must be run horizontally. It must start at least one stud space from a corner and be continuous around the corner. If no control joints are required at openings, diagonal strips of wire netting which are 450mm long by 300mm wide must be placed at an angle of 45 degrees across the corners to reinforce the opening. Alternatively, place additional 150mm wide strips of wire netting around the perimeter of openings.

Bayonet Premium-6 Plasterer's Netting must be fixed through spacers at 150mm centres to all vertical and horizontal framing. Fixings must be bent-over hot-dip galvanised flat head nails

or Type 304 or 316 stainless steel staples. Fixings must have a minimum diameter of 2.8mm and a minimum embedment into the wall frame of 35mm. (Note: Cavity battens are considered packers only and nail penetration through the batten does not count towards the minimum embedment length.)

Bayonet Premium-6 Plasterer's Netting laps must be a minimum of 100mm and end laps must be a minimum of 150mm. End laps must be staggered. Wire mesh must be tied together at laps with Bayonet low tensile galvanised tie wire or clips which are not less than 1.2mm diameter, spaced at not more than 150mm centres, or fixed to the framing at these centres.

### Size Range Available

Product Code	Width (mm)	Mesh (mm)	Wire Diameter (mm)	Length (m)	Total (m <sup>2</sup> )	Weight (kg)	Barcode
HN120025150P6	1200	25	1.0	50	60	37.50	9421026721822
HN90025150P6	900	25	1.0	50	45	29.33	9421026722126
HN90025110P6	900	25	1.0	10	9	5.5	9421026720023
HN9002515P6	900	25	1.0	5	4.5	2.83	9421026720030
HN90019150P6	900	19	1.0	50	45	35.33	9421026722089
HN90019110P6	900	19	1.0	10	9	6.5	9421026720047
HN9001915P6	900	19	1.0	5	4.5	3.67	9421026720054