



Building Product Information Sheet

Date:

01st November 2023

Product name:

Bayonet BayoWrap Damp Proof Course

Product description and its intended use:

1. Product

1.1. The Bayonet BayoWrap Damp Proof Course constitutes a robust Kraft paper infused with premium bitumen, featuring a thin talc coating on both sides. This specialised material is intended for application in residential, commercial, and industrial settings, serving as a moisture barrier between concrete, brick, stone substrates and timber or steel framing.

2. Key Technical Specifications

2.1. Bayonet BayoWrap Damp Proof Course is available in rolls of 20m lengths with widths ranging from 50mm to 300mm. It has a nominal mass of 1840g/m² (2 Ply), vapor flow resistance of 180 MNs/g, water absorption of 34g/m², and a pH reaction of 7.4.

3. Applications – Intended Use

Bayonet BayoWrap Damp Proof Course is a moisture barrier and can be used on buildings within the following scope:

- a) For residential, commercial and industrial applications, between a concrete, stone, block or brick substrate and timber or steel framing
- b) or as a moisture barrier and flashing in masonry veneer
- c) as well as a concealed flashing at jambs and sills of aluminium window and door joinery in masonry veneer walls
- d) in special conditions it can be used under or between H3.2 treated timber when a minimum of 1 week drying time is allowed prior to installation

Product identifier:

Product	Width (mm)	Stock codes
Bayonet BayoWrap Damp Proof Course	50	BDPC5020
	75	BDPC7520
	90	BDPC9020
	100	BDPC10020
	150	BDPC15020
	200	BDPC20020
	250	BDPC25020
	300	BDPC30020

Company:

J & F Holdings NZ Limited T/A Bayonet®

Address for service:

201 Taurikura Drive Tauriko, Bay of Plenty, Tauranga, New Zealand, 3171

Website:

bayonet.co.nz

Email Address:

info@bayonet.co.nz

Phone Number:

0800 330 320

NZBN:

9429047918870

Relevant Building Codes Clauses:

E2 External Moisture: Performance E2.3.2. and E2.3.3.

E2 Acceptable Solution AS1, Paragraph 10.2.3(b)

F2 Hazardous Building Materials: Performance F2.3.1.

Statement on how the building product is expected to contribute to compliance:

- a) **B2.3.1(a)**, not less than 50 years, Bayonet BayoWrap Damp Proof Course meets this performance requirements.
- b) **E2.3.2**. When used as flashing as part of a masonry veneer cladding system, Bayonet BayoWrap Damp Proof Course will contribute to meeting the requirements of E2.3.2.
- c) **E2.3.3**. When Bayonet BayoWrap Damp Proof Course is used as a DPC, it will meet the requirements of E2.3.3.
- d) **F2.3.1**. Bayonet BayoWrap Damp Proof Course meets this requirement.

Limitations on the use of the building product:

Handling & Storage

Handling and storage of the product whether on or off site, is under the control of the installer. The rolls must be protected from damage and weather, and must be stored under cover, in clean, dry conditions.

Limitations

Bayonet BayoWrap Damp Proof Course is intended for use as a damp proof course separating timber or steel framing from concrete or masonry elements, or where required, timber jack studs or bearers from timber piles, within the following scope:

- a) When used as a damp proof course, the roll width selected must enable to extend at least 6mm beyond each face of the timber or steel frame in accordance with the requirements of NZBC Acceptable Solution E2/AS1, Paragraph 10.2.3(b), or NZS 3604, Paragraph 2.3.3(b).
- b) must be separated from chimneys and flues in accordance with the requirements of NZBC Acceptable Solution C/AS1 Part 9 for the protection of combustible materials.
- c) To be installed as per the installation requirements below:

Design requirements that would support the appropriate use of the building product:

- a) When used as a damp proof course, the roll width selected must enable to extend at least 6mm beyond each face of the timber or steel frame in accordance with the requirements of NZBC Acceptable Solution E2/AS1, Paragraph 10.2.3(b), or NZS 3604, Paragraph 2.3.3(b).
- b) Provides timber framing added protection against deterioration from contact with concrete or masonry which is, or could become, damp from the presence of moisture.
- c) Damp proof courses and flashings are exempt from the surface finish requirements of NZBC Acceptable Solution C/AS1 Part 6 by NZBC Acceptable Solution C/AS1 Part 6, Paragraph 6.20.4(d).
- d) When used as a damp proof course in accordance with the NZBC, prevents walls, floors and structural elements in contact with the ground from absorbing or transmitting moisture in quantities that could cause undue dampness or damage to building elements to meet the performance requirements of Clause E2.3.3.
- e) When installed as a flashing in accordance with the installation requirements below, it will assist in the masonry veneer cladding system meeting the performance requirements of Clause E2.3.2.
- f) Water permeability, thickness, mass per unit area, pigment and impact resistance for Bayonet BayoWrap Damp Proof Course are all in accordance with AS/NZS 2904 and AS/NZS 4347.
- g) Water absorption meets the NZS 2295 of 34g/m²

- h) Vapour flow resistance meets the BS3177: 1959 The permeability to water vapour of flexible sheet materials used for packaging of 180 Mns/g

Installation requirements:

General

1. Before you start

- a) The installation must always be carried out in accordance with the information outlined in this document and be completed by a competent tradespersons with an understanding of Damp Proof Course and flashing installation.

2. Methodology

- a) Strips of Bayonet BayoWrap Damp Proof Course may be cut to length with a sharp knife.
- b) The surfaces to be separated, must be smooth and flat, free from projections such as small stones or sharp ridges that may puncture the membrane when pressure is applied.
- c) When used to separate timber and wood-based or steel products from concrete or masonry, Bayonet BayoWrap Damp Proof Course should be temporarily held in place with small hot dipped galvanised clouts or zinc plated staples. The strip of damp proof course must be wide enough to fully protect the width of the material in contact with the concrete or masonry.
- d) When used under timber or steel plates fixed over concrete floor slabs and foundation walls, a small slit should be made in the material before pushing down over the bolts or fixings. Alternatively, a small hole can be formed by gently tapping the product resting on top of the bolt until a puncture is formed.
- e) Bayonet BayoWrap Damp Proof Course must be fixed in place to framing members at maximum 300mm centres with small hot-dipped galvanised clouts. Horizontal and vertical joints must be no less than 75mm wide, with the direction of the lap ensuring that water is shed to the outer face of the flashing.
- f) At the sill/jamb junction, the jamb flashing must overlap the sill flashing.

Maintenance Requirements:

Bayonet BayoWrap Damp Proof Course has a durability of at least 50 years when installed correctly and used as intended it will require no maintenance until the end of its design life.

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?:

Yes No