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## SUMMARY OF FEATURES

- Heavy weight kraft paper, saturated and coated with high grade bitumen, with a light coating of talc on both surfaces.
- Acts as a durable membrane to prevent moisture transfer from concrete substrate, brick, stone or block to timber and steel framing.
- Suitable for use in residential, commercial and industrial applications.
- Talc coating reduces sticking and makes the product easier to work with.
- Conforms to the requirements of NZBC: B2 & E2.
- Complies with NZS 3604: 2011 & with the requirements of AS/NZS 2904: 1995.
- Nominal Mass = 2 Ply 1840g/m<sup>2</sup>.
- Vapour flow resistance 180 MNs/g (BS3177: 1959 The permeability to water vapour of flexible sheet materials used for packaging).
- Water absorption (NZS 2295) 34g/m<sup>2</sup>.
- Reaction (BS 2924) 7.4pH.

## TECHNICAL INFORMATION

### Product Description

Pauloid Bituminous Damp Proof Course is a heavy Kraft paper impregnated with high grade bitumen. A light coating of talc is applied to both surfaces.

### Applications

- Pauloid Bituminous Damp Proof Course is designed to be used in residential, commercial and industrial applications, where a moisture barrier is required between a concrete substrate and timber or steel framing.
- Pauloid Bituminous Damp Proof Course is to be used for separating timber, wood-based products and metal, from concrete, masonry or brick, or can be used as a moisture barrier and flashing in masonry veneer, constructed in accordance with NZS 3604 and NZS 4229.
- Pauloid Bituminous Damp Proof Course cannot be used under or between H3.2 treated timber unless a minimum of 1 week drying time is allowed. Failure to do so may result in breakdown of the product.
- Pauloid Bituminous Damp Proof Course can also be used as a concealed flashing at jambs and sills of aluminium window and door joinery in masonry veneer walls constructed in accordance with NZS 3604: 2011.

### Product Information

Pauloid Bituminous 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, e.g. where required by NZBC Acceptable Solution E2/AS1, Paragraph 10.2.3, or NZS 3604, Paragraph 2.3.3.

When used as a damp proof course, the roll width selected must enable Pauloid Bituminous Damp Proof Course 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).

Pauloid Bituminous Damp Proof Course gives timber framing added protection against deterioration from contact with concrete or masonry which is, or could become, damp from the presence of moisture.

Pauloid Bituminous Damp Proof Course has the added benefit of being coated in talc to help reduce sticking. This talc coating also helps to make the use of the product easier on the hands.

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).

Pauloid Bituminous Damp Proof Course 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.

Pauloid Bituminous Damp Proof Course, 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.

Pauloid Bituminous Damp Proof Course, when installed as a flashing in accordance with the information provided in this brochure, will assist in the masonry veneer cladding system meeting the performance requirements of Clause E2.3.2.

Water permeability, thickness, mass per unit area, pigment and impact resistance for Pauloid Bituminous Damp Proof Course are all in accordance with AS/NZS 2904 and AS/NZS 4347.

Pauloid Bituminous Damp Proof Course and Concealed Flashing, if used, designed, installed and maintained in accordance with the instructions and information provided within this brochure, will meet, or contribute to meeting the following provisions of the NZBC:

- Clause B2 Durability: Pauloid Bituminous Damp Proof Course meets the performance requirement B2.3.1(a), 50 years.
- Clause E2 External Moisture: Performance E2.3.2. and E2.3.3. When Pauloid Bituminous Damp Proof Course is used as a DPC, it will meet the requirements of E2.3.3. When used as flashing as part of a masonry veneer cladding system, Pauloid Bituminous Damp Proof Course will contribute to meeting the requirements of E2.3.2.
- Clause F2 Hazardous Building Materials: Performance F2.3.1. Pauloid Bituminous Damp Proof Course meets this requirement.

## 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.

## Technical Data

Pauloid Bituminous Damp Proof Course is supplied in rolls 20m long and is available in widths of 50mm, 75mm, 90mm, 100mm, 150mm, 200mm, 250mm and 300mm.

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- Vapour flow resistance 180 MNs/g(BS3177: 1959 The permeability to water vapour of flexible sheet materials used for packaging).
- Water absorption (NZS 2295) 34g/m<sup>2</sup>.
- Reaction (BS 2924) 7.4 pH.
- Conforms to the requirements of NZBC: B2 & E2.
- Complies with NZS 3604: 1999 & with the requirements of AS/NZS 2904: 1995.

These are typical performance figures, not production specifications.

### Installation Information

Installation must always be carried out in accordance with the information in this brochure, by competent tradespersons with an understanding of Damp Proof Course and flashing installation.

Strips of Pauloid Bituminous Damp Proof Course may be cut to length with a sharp knife.

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.

When used to separate timber and wood-based or steel products from concrete or masonry, Pauloid Bituminous Damp Proof Course should be temporarily held in place with small hotdipped 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.

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.

Pauloid Bituminous 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.

At the sill/jamb junction, the jamb flashing must overlap the sill flashing.

### Size Range Available

Product Code	Width x Length (mm x m)	Weight / Roll (kg)	Barcode
BDPC5020	50 x 20	1.42	9421026720085
BDPC7520	75 x 20	2.10	9421026720092
BDPC9020	90 x 20	3.06	9421026720108
BDPC10020	100 x 20	2.79	9421026720115
BDPC15020	150 x 20	4.45	9421026720122
BDPC20020	200 x 20	5.80	9421026720139
BDPC25020	250 x 20	6.12	9421026720146
BDPC30020	300 x 20	6.89	9421026720153