

Class 1

Building Product Information System

About this form

This template has been developed to help manufacturers and importers into Aotearoa New Zealand provide the information required by the building (Building Product Information Requirements) Regulations 2022.

Types of building products

There are two classes of designated building products with different information requirements for each. The below summarises the information that must be provided for each class of product and when the information must be made available.

Class 1: Batch or mass-produced products

Batch or mass-produced products that are typically available for retail or wholesale purchase. For example, cladding products, mechanical fixings, insulation products, internal lining, roofing products, structural wood-based products, structural steel and reinforcing products, sanitary plumbing, and drainage products, including tapware (note: this is not an exhaustive list).

Background

The Building Amendment Act 2021 introduced new minimum information requirements for building products to support better informed decision-making by building consent authorities, building owners, builders, and designers. The new regulations designate several building products for which building product information must be provided and establish the minimum requirements for that information.

The new regulations will ensure better and more consistent information is available for these products, helping inform building consent authority decisions on building consent applications. This should result in fewer requests for information, and therefore faster processing times. In addition, the requirements will ensure people, including homeowners, are given the information they need to make good decisions about products, and use and maintain them as intended.

Please note that The Ministry of Business, Innovation and Employment (MBIE) is not responsible for the input details provided in the template.

Class 1

Building Product Information System

Product name (include the brand name): BLACK POLYTHENE (Concrete Underlay)

Product description and its intended use (measurements, materials, usage):

Black Polythene sheet for use as a damp-proof membrane (DPM) under floor slabs.

Black Polythene – is a 250-micron thick, black polythene sheet used as a DPM membrane. It is supplied in rolls 2 m wide x 50 m long and 4 m wide x 25 or 50 m long.

Black Polythene is also used as a DPM on buildings where the DPM is laid on a granular base prepared to not damage the DPM and DPM is adequately protected against damage in service.

Wide range of other uses Description Polyethylene Sheet (PE) manufactured using high quality recycled resins or virgin low density polyethylene resins. Polyethylene has a very low biodegradability making it ideally suited for use as a damp-proof membrane or vapour barrier.

Black Plastic sheet rolls 250UM gauge (0.25mm) for HIGH impact resistance (IR3) for use in standard soil conditions.

The Building films are manufactured in strict accordance to comply with the requirement of AS 2870: 2011 - Residential Slabs and Footings Installation Instructions & AS/NZS 4347.6: 1995 - Damp-Proof Courses and Flashings.

Methods Of Test - Method 6: Determining Impact Resistance
(Falling Dart Impact Test)

Place of manufacture: Overseas

Address for service: Malaysia

Legal and trading name of the importer (if applicable): EMPAK NZ LP

Address for service:

Street Name: 6 Morse Road
City, Country: Christchurch, New Zealand

Suburb: Wigram
Postcode: 8042

Website: www.empak.co.nz

Email address: sales@empak.co.nz

Phone no. (if applicable): +64 3 3386296

NZBN (if applicable): 9429047530386

Relevant Building Code Clauses:

Damp - Proof Membrane Compliance for New Zealand Building Code - NZS-3604211

7.5.4 Damp-proof membrane

7.5.4.1

Every slab-on-ground floor shall incorporate a continuous DPM between the ground and the floor surface. The DPM shall either be laid:

- (a) Beneath the concrete ground slab on a surface suitable to receive the type of DPM material being used; or
- (b) Over the ground slab and be protected by a concrete slab not less than 50mm thick.

7.5.4.2

The DPM shall be comprised of one or more of the materials given in 7.5.5.7.5.6 and 7.5.7 and shall:

- (a) Have a water vapour flow resistance not less than 90 MNs/g when tested in accordance with ASTM E96, utilizing standard test conditions at 23 °C;
- (b) Be sufficiently durable to resist damage from installation and normal worksite operations;
- (c) Be laid on a surface that is unlikely to damage the DPM being used; and
- (d) Have penetrations by services, reinforcing or other objects sealed by taping, or by application of wet-applied DPM material.

7.5.6 Polyethylene (polythene) sheet damp-proof membrane

7.5.6.1

Polyethylene sheet DPM material shall:

- (a) Be either:
 - (i) A single unprotected layer of polyethylene not less than 0.25mm thick; or
 - (ii) A multi-layer laminate, in which one or more layers of polyethylene having an aggregate thickness of not less than 0.1mm thick are incorporated with layers of other material that provide adequate protection to the polyethylene;
- (b) Have heat-sealed joints not less than 50mm wide or lap joints not less than 150mm wide, sealed with pressure-sensitive plastic tape not less than 50mm wide (such tape need not be used with self-sealing polyethylene sheets);
- (c) Be protected from damage.

New Zealand Building Code (NZBC)

3.1 EMPAK Building Polythene will meet the following provisions of the NZBC:

Clause B2 DURABILITY: Performance B2.3.1 (a) not less than 50 years.

Clause E2 EXTERNAL MOISTURE: Performance E2.3.3.

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1.

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

Concrete slab underlay — damp proof membrane or vapour barrier.

Landscaping — pond and dam linings.

- options for compliance set out in section 19 of the Act (regulations, acceptable solution, verification method)
- standard or technical document that describes the performance of the building product or the relevant specifications to which the building product was manufactured
- physical properties of the building product
- how the building product is intended to be used.

Limitations on the use of the building product:

Black polythene sheet for use as a damp-proof membrane (DPM) under floor slabs.

This Code of Practice does not cover the following aspects:

- The design or construction of the building structure itself.
- The installation of an over-surface finish to internal wet-area waterproof membrane systems.
- The waterproofing of enclosed exterior decks or any other situation where the membrane is exposed to external moisture.

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

OUR STANDARD SIZE IS

1/4M X 250UM X 25M

1/4M X 250UM X 50M

250 Micron thickness



Installation requirements (also provide link to the product installation guide):

Black polythene sheet for use as a damp-proof membrane (DPM) under floor slabs.

The polythene should be a minimum 0.25 mm thick and lapped 150 mm at the joints. It must be butted against foundation walls and piles and weighed down with bricks or rocks to stay in place. The ground under it must be shaped so that water drains to the outside and does not allow water to pond on the ground cover.

Maintenance requirements (also provide link to the product maintenance guide):

Annual inspections must be made of the membrane's top edge seal and protection.

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004? No.

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