

Certificate no: CMNZ70194

Version: 0

Original issue date: 3 November 2025

Version date: 3 November 2025

1. Certificate Holder Details



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2. Product Certification Body

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11/500 Collins Street
Melbourne VIC 3000 Australia
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Complaints: The complaints process for this certificate can be found here:
www.bureauveritas.com.au/your-feedback

Sam Guindi – Bureau Veritas Product Certification Manager



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Product Certificate

SHIELD Polythene Film™

3. Description of Building Method or Product

Name of the product or method in Aotearoa New Zealand, including any brand names used. Description of what it is and the components that make up any system and its physical attributes including the materials and make-up of the product, where applicable. Matters that should be taken into account in the use or application of the building method or product can be found in item 6. Conditions and Limitations of Use. Continuation of description can be found in item 10 – Supporting Information about Description. The building method's or building product's catalogue or model identification number or numbers or other unique identifiers that might be used to identify the building product or building method

SHIELD Polythene Film™ is 250-micron thick and supplied in the following sizes:

- 2m x 50m
- 4m x 10m
- 4m x 15m
- 4m x 25m
- 4m x 50m

Components:

- SHIELD Polythene Film™
- Black 50mm PVC jointing tape

4. Intended use of Building Method or Product

Intended use of the building method or product as described in the product manual and other instructional materials. A statement of the function or purpose of the building method or product. Continuation of intended use can be found in item 11 – Supporting Information about Intended use.

SHIELD Polythene Film™ is used as a ground vapour barrier below concrete slabs in both residential and commercial applications.

5. New Zealand Building Code Provisions

The performance clauses of the New Zealand Building Code that are relevant to the intended use and with which the building method or product complies or contributes to (where used as part of a system). How the building method or product complies or contributes can be found in item 8. Basis for Certification. Any qualifications to the extent of that compliance can be found in item 6. Conditions and limitations of use.

B2 Durability: Performance Clauses B2.3.1 (a), B2.3.2

E2 External Moisture: Performance Clauses E2.3.1, E2.3.2 (contributes to), E2.3.3 (contributes to), E2.3.7

F2 Hazardous building materials: Performance Clauses F2.3.1



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6. Conditions and Limitations of Use

The building method or product's use is to be in accordance with the installation instructions and requirements against which the building method or product was assessed. Conditions or limitations of conformity for the performance requirements the building method or product is compliant with, including any requirements for people with the qualifications and skills to install or use the building method or product, any known or demonstrated situations where the building method or product should not be used. A statement as to whether there are any matters that should be taken into account in the use or application of the building product or building method and, if so, what those matters are.

1. The Specification and inclusion of SHIELD Polythene Film® into building design shall be carried out by a designer, architect, engineer, or building professional in accordance with NZS 3604:2011 and E2/AS1 and as per manufacturers documents, Shield Polyethene Film (V1 11th April 2025).
2. Installation shall be carried out by a Licensed Building Practitioner, experienced in installing damp proof course in accordance with NZS 3604:2011 and E2/AS1. and as per manufacturers installation guidelines, Shield Polyethene Film (V1 11th April 2025).
3. Building designers shall ensure junctions with other membranes, such as at the floor to wall junction, form a waterproof joint. These junctions have not been reviewed and are outside the scope of this Certificate.
4. During installation care shall be taken when placing reinforcement mesh or steel over the film to avoid punctures or tears.
5. All joints or tears shall be taped with a suitable PVC tape with a minimum width of 50mm. A membrane lap of at least 150mm is required prior to taping.
6. SHIELD Polythene Film™ shall be inspected for holes or tears before pouring concrete and repaired with patch and 50mm PVC tape as required.
7. SHIELD Polythene Film™ shall not be exposed to sunlight for more than 30 days.
8. Rolls of SHIELD Polythene Film™ shall be stored flat, away from sunlight and UV.
9. SHIELD Polythene Film™ shall be kept dry and out of contact with sharp objects during storage and transit.

7. Health and Safety Information

Health, safety, and well-being declarations associated with installation, maintenance, and use of the building method or product, and their specific editions and dates necessary to ensure the performance requirements of clauses F1 to F9 of the Building Code can be met.

The compliance with any manufacturer's installation instructions, maintenance, OH&S Statements, MSDS's and other Health and Safety declarations will provide the necessary Health and Safety Information pertaining to the product.

8. Basis for Certification

How the performance requirements in the Building Code were met for each of the provisions. Where used as part of a system, the specific contribution to compliance.

B2 Durability - By testing and comparison with Acceptable Solution B2/AS1 and Verification Method B2/VM1

E2 External moisture - By testing and comparison with Acceptable Solution E2/AS1

F2 Hazardous building materials - By comparison with the performance requirements of Building Code clause F2.3.1



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9. Supporting Documentation for Certification

Reference to any acceptable solutions, verification methods, New Zealand Standards, or other compliance pathways referenced against each individual performance requirement the building method or product is compliant with, and their specific version and date. Reference to documents describing tests and evaluations and any other documents relied on for certification or used to prove compliance, including their full title, specific version and date.

1. B2 Durability Verification Method B2/VM1 Durability of buildings elements using in-service history, laboratory testing, and comparisons to similar materials, Third Edition, Effective 28 July 2025.
2. B2 Durability Acceptable Solution B2/AS1 Durability provisions for building elements, Third Edition, 28 July 2025.
3. Verification Methods E2/VM1 and Acceptable Solutions E2/AS1, E2/AS2 and E2/AS3 for New Zealand Building Code Clause E2 External Moisture, Fourth edition, 28 July 2025.
4. Building Product Specifications First Edition, 28 July 2025
5. BRANZ Test Report DC20427-01 - Determination of Physical Properties of SHIELD Polythene Damp Proof Membrane (DPM) to AS2870:2011, 10 April 2025.
6. Enveloped Solutions Ltd, SHIELD Polythene Film™ MSDS, V1, 16 October 2025.
7. SHIELD Polythene Film™ Data Sheet, V1, 11 April 2025.
8. Bureau Veritas, Report 10ARTH1593944 Thickness measurements and Impact Resistance, 15 February 2010.
9. *** Report No. 0962-2025 Impact resistance and thickness, 05 July 2025.

***Name withheld for confidentiality.

10. Supporting Information About Description (Optional)

Any supporting information for section 3.

N/A

11. Supporting Information About Intended Use (Optional)

Any supporting information for section 4.

N/A

12. Supporting Information About Conditions and Limitations of Use (Optional)

Any supporting information for section 6.

N/A

All CodeMark certificates that are current must be registered with MBIE. MBIE maintains a register of valid product certificates. [Please find the register here.](#)

If the certificate is not listed on this register or it appears as (SUSPENDED), it is not a valid CodeMark certificate and does not have to be accepted by a building consent authority as establishing compliance with the New Zealand Building Code.



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