

Certificate no: CMNZ70195

Version: 0

Original issue date: 26 June 2026

Version date: 26 June 2026

1. Certificate Holder Details



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2. Product Certification Body

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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 Mastic Asphalt System

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.

The SHIELD Mastic Asphalt System is a polymer modified mastic asphalt waterproofing and paving system for elevated decks and car parks. The system is applied in one or two layers to build up a waterproof monolithic layer of up to 60 mm thickness depending on the specific application.

The SHIELD Mastic Asphalt System comprises the following components:

- ShieldFLEX R, ShieldFLEX P, glass fibre tissue, Casali Dermafil, Allco barrier tape, ShieldFLASH U, ShieldFLASH T and primer upstand.

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.

The SHIELD Mastic Asphalt System is used as a waterproof roofing membrane and as a waterproofed paving system for elevated decks and car parks for vehicle loading.

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 on the extent of that compliance can be found in item 6. Conditions and limitations of use.

B1 Structure: B1.3.1, B1.3.2, B1.3.3 (b, c, f, h, m, q), B1.3.4

B2 Durability: B2.3.1 (a); (when concealed*) or B2.3.1 (b) (not concealed); B2.3.2 (a)

D1 Access Routes: D1.3.3 (d)

E2 External moisture: E2.3.1, E2.3.2 (contributes to), E2.3.7

F2 Hazardous building materials: 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 SHIELD Mastic Asphalt System shall be installed in accordance with the SHIELD Mastic Asphalt Technical Manual 004.
2. Timber substrate structures shall be designed in accordance with NZS3604:2011 as a heavy roof, provided the SHIELD Mastic Asphalt System does not exceed 22 mm.
3. All plywood sheets shall be CCA treated to H3.2. The Plywood shall be a minimum of 17 mm thickness and comply with AS/NZS 2269.0:2012.
4. Concrete and other specifically designed substrates shall be designed in accordance with verification method B1/VM1 using the structural design actions in AS/NZS1170.1:2002.
5. A separation layer shall be placed between the substrate and mastic asphalt topping.
6. The substrate shall be dry, with no sharp projections. All installations shall only be carried out by SHIELD Waterproofing Ltd approved applicators (contact the certificate holder for list of approved applicators).
7. The design and construction of the substrate and movement and control joints is specific to each building and is outside the scope of this certificate.
8. The weathertightness design of all junctions on specifically designed buildings is outside the scope of this certificate.
9. Roofing Falls (ShieldFLEX R/ShieldTEC): The system is suitable for flat roofs with a minimum finished fall of 1:80, or zero fall roofs with a finished fall between 0 and 1:80. For design purposes, twice the minimum fall (1:40) should be assumed unless a detailed analysis of the roof (including deflection and direction of falls) is available.
10. Vehicle Access Ramps (ShieldFLEX P): External ramps for cars, light commercial, and heavy commercial vehicles must not exceed a 1:10 gradient. The surface must be cross-tamped to provide traction, with tamps not exceeding 5 mm in height to prevent the waterproofing layer from becoming too thin.

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.



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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.

B1 Structure - By testing and comparison with the requirements of B1/AS1 and B1/VM1

B2 Durability - By analysis and comparison with the requirements of B2/VM1

D1 Access - By comparison with the provisions of D1/AS1

E2 External moisture - By testing and comparison with the requirements of E2/AS1

F2 Hazardous building materials - By comparison with the Acceptable Solution F2/AS1

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. B1 Structure, Verification Method B1/VM1 Structural design of buildings, Second edition, 28 July 2025.
2. B2 Durability, Verification Method B2/VM1 Durability of buildings elements using in-service history, laboratory testing, and comparisons to similar materials, Third edition, 28 July 2025.
3. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause D1 Access Routes 2nd Edition (Amendment 6), 1 January 2017.
4. E2 External Moisture, Acceptable Solution E2/AS1 External moisture provisions for timber-framed buildings up to 10 m in height, Fourth edition, 28 July 2025.
5. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause F2 Hazardous building materials First edition (Amendment 3), 1 January 2017.
6. Building Product Specifications, First Edition, Amendment 1, 2 April 2026.
7. MBIE Determination 2016/016.
8. Datasheet: Mastic Asphalt Version 1, Issued 23 May 2019.
9. ShieldFLASH T Product Data Sheet Version 1, Issued 6 February 2022.
10. ShieldFLASH U Product Data Sheet Version 1, Issued 6 February 2022.
11. ShieldFLEX Polymer Modified Mastic Asphalt Product Data Sheet, including ShieldFLEX R and ShieldFLEX P, Version 4, 17 February 2022.
12. Shield Membranes SHIELDFLEX Mastic Asphalt Waterproofing Systems Brochure, 21 August 2025.
13. BBA Agrément Certificate 17/5452 Product Sheet 1 - Shield Membranes Parking Deck Systems, ShieldFLEX P, 15 November 2017.
14. BBA Agrément Certificate 17/5459 Product Sheet 3 - ShieldFLEX R Waterproofing Systems, Shieldtec Roof Waterproofing System, Issued 30 November 2022.



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15. ShieldGFT – Glass Fibre Tissue Product Data Sheet Version 1, Issued 06 February 2022.
16. Shield Membranes Material Specification - Mastic Asphalt - ACID RESISTANT, 21 August 2025.
17. Shield Mastic Asphalt Technical Manual 004.

10. Supporting Information About Description (Optional)

Any supporting information for section 3.

This certificate only applies to the following components/accessories:

- ShieldFLEX R
- ShieldFLEX P
- Glass Fibre Tissue
- ShieldFLASH U
- ShieldFLASH T

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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