



PRODUCT CERTIFICATE

DuPont Tyvek HomeWrap®



CERTIFICATE NO: CM70100

Version No: Rev1

Original issue date: 28 July 2021

Version date: 19 January 2023

1 CERTIFICATE HOLDER DETAILS

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2 PRODUCT CERTIFICATION BODY

Bureau Veritas Australia Pty Ltd

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product.certification@bureauveritas.com

Ph: 1800 855 190
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Bureau Veritas Australia Pty Ltd

The complaints process for this certificate
can be found here:

www.bureauveritas.com.au/your-feedback

3 DESCRIPTION OF BUILDING METHOD OR PRODUCT

Name of the product or method in 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

DuPont Tyvek® HomeWrap® is a non-woven, water resistant, flammability-rated breathable 62 gsm synthetic wall underlay. It is white with red and blue printing "DuPont Tyvek HomeWrap®" and is available in 30 m long rolls 2.74m and 3.048m wide.

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

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.

DuPont Tyvek® HomeWrap® is certified for use as a wall underlay.

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 9. Basis for Certification.

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

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

C3 Fire affecting areas beyond the fire source: C3.4(c)

E2 External moisture: E2.3.2 (contributes to), E2.3.5 (contributes to), E2.3.7

F2 Hazardous building materials: F2.3.1

H1 Energy efficiency: H1.3.1(b) (contributes to)



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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.

NOTE: Together, items 3,4,5 and 6 define scope of use

1. DuPont Tyvek® HomeWrap® is certified for use:
 - a) on timber and steel framed buildings within the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1 with regards to building height and floor plan area; and situated in NZS 3604:2011 wind zones up to and including 'Extra High'
 - b) with absorbent wall claddings directly fixed to the frame; or with absorbent or non-absorbent wall claddings installed over an 18mm minimum drained cavity; or with masonry veneer in accordance with NZBC Acceptable Solution E2/AS1; and with masonry veneer in accordance with NZBC Acceptable Solution E2/AS1 for timber framed buildings or by specific design for steel framed buildings.
2. DuPont Tyvek® HomeWrap® shall be:
 - a) installed in accordance with E2/AS1, Clauses 9.1.5 and 9.1.7 and with the DuPont™ Tyvek® HomeWrap® Installation Guide – New Zealand, 7 May 2021
 - b) protected from sunlight within 90 days.
3. Contribution to compliance with Building Code clause H1.3.1(b) is conditional on horizontal and vertical laps being securely taped.

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 SIGNATURES

Name and Signature of the Product Certification Body's (PCB) authorised representative and, where different, the person assigned by the PCB to make the certification decision

Sam Guindi
Product Certification Manager

For and on behalf of
Bureau Veritas Australia Pty Ltd



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9 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 E2/AS1 and referenced Standard NZS2295
- C3 Fire affecting areas beyond the fire source - By testing and comparison with Acceptable Solutions C/AS1 and C/AS2
- E2 External moisture - By testing and comparison with Acceptable Solution E2/AS1 and referenced Standard NZS2295
- F2 Hazardous building materials - By comparison with the performance requirements of the Building Code clause F2.3.1
- H1 Energy efficiency - By analysis and comparison with Acceptable Solution E2/AS1

10 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. C/AS2 Acceptable Solution for Buildings other than Risk Group SH for New Zealand Building Code Clauses C1-C6 Protection from Fire, 1st edition (Amendment 2), 50 November 2020
2. C/VM1 Verification Method for Solid Fuel Appliances and C/AS1 Acceptable Solution for Buildings with Sleeping (residential) and Outbuildings (Risk Group SH) For New Zealand Building Code Clauses C1-C6 Protection from Fire (Amendment 5), 5 November 2020
3. Acceptable Solutions and Verification Methods For New Zealand Building Code Clause E2 External moisture 3rd edition (Amendment 10), 5 November 2020
4. SCION Report QT-5398 Evaluation of DuPont Tyvek Supro and HomeWrap® to AS/NZS 4200 and NZS2295, September 2016
5. AWTA Test Report 7-576031-CN Du Pont Tyvek HomeWrap® AS 1530.2:1993, 23 November 2010
6. IGNIS Labs Certificate IGNU-6197-02C-101 R00 – Material Fire Test Certificate AS 1530.2:1993, 23 November 2022
7. MSDS DuPont Tyvek for use in building construction, Version 2.1, 12 January 2021
8. DuPont™ Tyvek® HomeWrap® Installation Guide – New Zealand, 7 May 2021



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SUPPORTING INFORMATION

11 SUPPORTING INFORMATION ABOUT DESCRIPTION (OPTIONAL)

Any supporting information for section 3

N/A

12 SUPPORTING INFORMATION ABOUT INTENDED USE (OPTIONAL)

Any supporting information for section 4

Further details regarding the use of the product can be found in DuPont™ Tyvek® HomeWrap® Installation Guide – New Zealand, 7 May 2021.

13 SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE (OPTIONAL)

Any supporting information for section 6

The AS 1530.2-1993 flammability index of DuPont Tyvek® HomeWrap® is not greater than 5 and therefore meets the requirements of NZBC Acceptable solutions C/AS2, paragraph 4.17.8 (b) for use in all situations (including situations exposed to view).
In cavity installations where stud spacing is greater than 450mm and flexible underlays only are used, an intermediate means of restraining the underlay and insulation from bulging into the drained cavity must be installed as required by E2/AS1 9.1.8.5.



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