

Certification Body:



ABN: 81 663 250 815
JAS-ANZ Accreditation
No. Z4450210AK
PO Box 273,
Palmwoods Qld 4555
Australia
P: +61 7 5445 2199
www.cmicert.com.au
office@cmicert.com.au

Certificate Holder:



DuPont (Australia) Pty
Ltd
ABN: 62 637 905 036
15 Blackman Crescent
South Windsor,
NSW 2756
Australia
P: (02) 9923 6111
www.dupont.com

Certificate number: CM40288 Rev1

THIS IS TO CERTIFY THAT

DuPont™ Tyvek® HomeWrap™

Type and/or use of product:

Sarking type material for wall underlay where a wall is required to have a wall wrap complying with AS 4200.1:2017.

Description of product:

The DuPont™ Tyvek® HomeWrap® is a vapour permeable microporous wall underlay (sarking) manufactured from flush-spun and calendared non-woven high-density polyethylene fibres. It is designed to allow water vapour diffusion whilst resisting liquid water penetration.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S)

BCA 2022

	Volume One	Volume Two
Performance Requirement(s):	Not applicable	Not applicable
Deemed-to-Satisfy Provision(s):	C2D10(6)(f) Non-combustible building elements C2D11(1)(g) Fire hazard properties F3D3 Sarking F8D3 Condensation management	H3D2(1)(f) Fire hazard properties and non-combustible building elements H4D9 Condensation management
State or territory variation(s):	Not applicable	Not applicable

SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B

Limitations and conditions:

- Product must be installed in accordance with the installation manual [DuPont™ Tyvek® HomeWrap® Installation Guide – Australia Version 15-Mar-23](#), in order to comply with AS 4200.2:2017.
- The use of the certified product/system is subject to these Limitations and Conditions and must be read in conjunction with the Scope of Certification below.

Building classification/s:

Class 1,2,3,4,5,6,7,8,9 & 10

Scope of certification: The CodeMark Scheme is a building product certification scheme. The rules of the Scheme are available at the ABCB website www.abcb.gov.au. This Certificate of Conformity is to confirm that the relevant requirements of the Building Code of Australia (BCA) as claimed against have been met. The responsibility for the product performance and its fitness for the intended use remain with the Certificate Holder. The certification is not transferrable to a manufacturer not listed on Appendix A of this certificate.


Richard Donarski - CMI


Don Grehan – Unrestricted Building Certifier

Date of issue: 06/12/2023

Date of expiry: 22/02/2026





Certificate of Conformity

Only criteria as identified within this Certificate of Conformity can be used for CodeMark certification claims. Where other claims are made in a client's Installation Manual, Website or other documents that are outside the criteria on this Certificate of Conformity, such criteria cannot be used or claimed to meet the requirements of this CodeMark certification.

The NCC defines a Performance Solution as one that complies with the Performance Requirements by means other than a Deemed-to-Satisfy Solution. A Building Solution that relies on a CodeMark Certificate of Conformity that certifies a product against the Performance Requirements cannot be considered as Deemed-to-Satisfy Solution.

This Certificate of Conformity may only relate to a part of a Performance Solution. In these circumstances other evidence of suitability is needed to demonstrate that the relevant Performance Requirements have been met. The relevant provisions of the Governing Requirements in Part A of the NCC will also need to be satisfied.

This Certificate of Conformity is issued based on the evidence of compliance as detailed herein. Any deviation from the specifications contained in this Certificate of Conformity is outside of this document's scope and the installation of the certified product will not be covered by this Certificate of Conformity.

Disclaimer: The Scheme Owner, Scheme Administrator and Scheme Accreditation Body do not make any representations, warranties or guarantees, and accept no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any material contained within this certificate; and the Scheme Owner, Scheme Administrator and Scheme Accreditation Body disclaim to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this certificate.

When using the CodeMark logo in relation to or on the product/system, the Certificate Holder makes a declaration of compliance with the Scope of Certification and confirms that the product is identical to the product certified herein. In issuing this Certificate of Conformity, CMI Certification Pty Ltd (CMI) has relied on the experience and expertise of external bodies (laboratories and technical experts).

Nothing in this document should be construed as a warranty or guarantee by CMI, and the only applicable warranties will be those provided by the Certificate Holder.

APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

As per page 1.

A2 Description of product

The DuPont™ Tyvek® HomeWrap® is a vapour permeable microporous wall underlay (sarking) manufactured from flush-spun and calendared non-woven high-density polyethylene fibres. It is designed to allow water vapour diffusion whilst resisting liquid water penetration.

The DuPont™ Tyvek® HomeWrap® is supplied in the following roll sizes:

Width	Length	Thickness	Coverage Area	Weight
2743mm	30.5m	0.14mm	83.6m ²	5.2kg
3048mm	30.5m	0.14mm	92.9m ²	5.8kg

A3 Product specification

Physical Properties	Test Method	Requirement	DuPont™ Tyvek® HomeWrap® (1055B)
Duty Classification	AS/NZS 4200.1:2017	Light Wall	Light Wall
Vapour Permeance	ASTM E96-B	>1.14µg/N.s	>2.80µg/N.s
Vapour Resistance	ASTM E96-B	<0.88MN.s/g	<0.35MN.s/g
Vapour Control Classification	AS/NZS 4200.1:2017	Class 4	Class 4
Surface Emittance Classification	AS/NZS 4200.1 2017 – Table 2, Section 5.3.3	-	IR Semi-reflective
Membrane Emittance Category	AS/NZS 4200.1 2017 – Table 3, Section 5.3.3	-	SS
Mechanical Strength	Edge Tear (MD & CD)	Tappi T470	238N & 218N
	Tensile (MD & CD)	AS/NZS 1301.448s	5.2kN/m & 4.8kN/m
	Burst Strength	AS 2001.2.19	300N
Resistance to dry delamination	AS/NZS 4201.1	Pass	Pass
Resistance to wet delamination	AS/NZS 4201.2	Pass	Pass
Moisture Shrinkage	AS/NZS 4201.3	<0.5%	Pass
Water Control Classification	AS/NZS 4201.4	Water Barrier	Water Barrier
Folding Endurance (MD & CD)	AS/NZS 1301.423	>2.0 (log ₁₀ 100) & >1.7(log ₁₀ 50)	Pass
Electrical Conductivity	AS/NZS 3100	Electrically non-conductive	Electrically non-conductive
Flammability Classification	AS/NZS 1530.2	Low (≤5.0)	Low (≤5.0)
Surface Water Absorbency Classification	AS/NZS 4201.6	Low/High	Low
Heat Shrinkage	ASTM D1204	MD-0.2, CD-0.05	Pass
Air Control Classification	AS4200.1:2017 Section A6	≥0.1MN/m ³	Air Barrier Nominal 62gsm /3048mm Nominal 62gsm /2743mm

Source: XSphere Evaluation DPTA-0002, DuPont™ Tyvek® HomeWrap® | NCC2022 Compliance; Dated 17/10/2023.

Certificate of Conformity

Flammability Test for Materials – AS 1530.2:1993 (R2016)

Type	Result
Spread factor (E)	-4
Speed factor (S)	N/A
Heat Factor (H)	1
Flammability index (I) (range 0-100)	0

Source: Ignis Labs Report No. IGNL-6197-02C I01 R00, Material Fire Test Certificate dated 23/11/2022.

A4 Manufacturer and manufacturing plant(s)

E.I. du Pont de Nemours and Company
DuPont Protection Solutions-Tyvek Plant 5401 Jefferson Davis Highway
Richmond, VA 23234
United States of America.

A5 Installation requirements

Installation must be in accordance with [DuPont™ Tyvek® HomeWrap® Installation Guide – Australia Version 15-Mar-23](#) and AS 4200.2:2017.

A6 Other relevant technical data

No other relevant technical data.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

1. Condensation Management Provisions A5G3(1)(e). Reports from a professional engineer.
2. Fire Resistance Provisions A5G3(1)(d)&(e). Reports from Accredited Testing Laboratories and a professional engineer.

B2 Reports

1. Ignis Labs Pty Ltd; Report No. IGNL-6197-02C I01 R00; Testing in accordance with AS 1530.2:1993; Dated 22/11/202. This test certificate provides Fire Hazard results for use in validating C2D11 & H3D2.
2. Ignis Labs Pty Ltd; Report No. IGNL-6197-02R I01 R00; Test Report for DuPont Tyvek Homewrap; Dated 23/11/2022. This test report provides Fire Hazard results for use in validating C2D11 & H3D2.
3. Scion (New Zealand Forest Research Institute Limited); Report No. 35096827; Dated March 2021. This test report provides material properties and testing for use in validating F3D3, F8D3 & H4D9.
4. XSphere Evaluation DPTA-0002; DuPont Product Advisory Note – Evaluation – DuPont™ Tyvek® HomeWrap® | NCC2022 Compliance; Dated 17/10/2023. This report provides validation of the test results and installation manual's requirements against the following clauses - C2D10, C2D11, F3D3, F8D3, H3D2 & H4D9.

The Certificate Holder has chosen not to make the above evidence of compliance publicly available, due to the documents being considered commercial in confidence.