



CERTIFICATE NO: CM70101

Date of issue: 26 May 2021

# PRODUCT CERTIFICATE

## DuPont Tyvek® Supro/Supro Plus



### KEY INFORMATION

**1 CERTIFICATE HOLDER DETAILS**

**DuPont (Australia) Pty Limited**  
 Avaya House, Level 9  
 123 Epping Road,  
 Macquarie Park, Sydney, NSW 2113  
 Australia

Email: Tyvek.ANZ@dupont.com  
 Phone: 0800 555 799  
 www.dupont.co.nz



**2 PRODUCT CERTIFICATION BODY**

**Bureau Veritas Australia Pty Ltd**  
 3/435 Williamstown Road  
 Port Melbourne VIC 3207  
 Australia

Ph: 1800 855 190  
 www.bureauveritas.com.au

**Bureau Veritas Australia Pty Ltd**

The complaints process for this certificate  
 can be found here:  
 www.bureauveritas.com.au/your-feedback

**3 SUMMARY OF DESCRIPTION OF BUILDING METHOD OR PRODUCT**

DuPont Tyvek® Supro is a flammability-rated breathable 145 gsm bi-layer spun bonded high density polyethylene and non-woven polypropylene synthetic roof and wall underlay. The top face is coloured grey with printing "DuPont Tyvek Supro".

DuPont Tyvek® Supro Plus has an integrated adhesive tape edge for edge sealing.

Both are available in 50m long rolls 1500mm wide.

*Continuation of description can be found in item 9. Supporting Information about Description of Building Product or Method.  
 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.*

**4 SUMMARY OF INTENDED USE OF BUILDING METHOD OR PRODUCT**

DuPont Tyvek® Supro/Supro Plus is certified for use as a self-supporting roof underlay and as a wall underlay.

*Continuation of intended use can be found in item 10. Supporting Information about Intended use of Building Product or Method.*

**5 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).*

**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) (applies when used as a wall underlay)

*How the building method or product complies or contributes can be found in item 12. Basis for Certification. Any qualifications on the extent of that compliance can be found in item 6. Conditions and limitations of use.*



This certificate is issued by an independent certification body accredited by JAS-ANZ, the product certification accreditation body appointed by the Chief Executive of the Ministry of Business, Innovation and Employment under the Building Act 2004. The Ministry does not in any way warrant, guarantee, or represent that the building method or product that is the subject of this certificate conforms with the New Zealand Building Code, nor accept any liability arising out of the use of the building method or product. The Ministry disclaims 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 building method(s) or product(s) referred to in this certificate.

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### 6 CONDITIONS AND LIMITATIONS OF USE

1. DuPont Tyvek® Supro/Supro Plus is certified for use on roofs:
  - a) of timber framed 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) under profiled metal cladding, metal tiles, concrete tiles, clay tiles and asphalt shingles over steel or timber framing, except that it shall not be in direct contact with profiled metal claddings, and
  - c) with a pitch of 3 degrees or greater, and
  - d) in all locations including occupied spaces where it is exposed to view.
2. DuPont Tyvek® Supro/Supro Plus is certified for use as a wall underlay:
  - a) on timber framed 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.
3. DuPont Tyvek® Supro/Supro Plus shall be:
  - a) installed in accordance with the DuPont Tyvek® Supro / Supro Plus / Pro (and Tyvek Metal) Installation Guide — New Zealand, 17 May 2021
  - b) separated from fireplaces, heating appliances, flues and chimneys in accordance with the requirements of NZBC Acceptable Solutions C/AS1 and C/AS2, Paragraph 7.5.9 for the protection of combustible materials.
  - c) protected from sunlight within 30 days.
4. Contribution to compliance with Building Code clause H1.3.1(b) is conditional on:
  - a) the element incorporating DuPont Tyvek® Supro/Supro Plus being part of the thermal envelope of the building, and
  - b) horizontal and vertical laps being securely taped in accordance with installation guidelines.

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

### 7 HEALTH AND SAFETY INFORMATION

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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## DuPont Tyvek® Supro/Supro Plus



### 8 SIGNATURES

Sam Guindi  
Product Certification Manager

For and on behalf of  
Bureau Veritas Australia Pty Ltd

Antoni Rajwer  
Technical & Commercial Leader – Australia & New Zealand

For and on behalf of  
DuPont (Australia) Pty Limited



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### SCHEDULE: INFORMATION THAT SUPPORTS KEY INFORMATION

#### 9 SUPPORTING INFORMATION ABOUT DESCRIPTION

N/A

#### 10 SUPPORTING INFORMATION ABOUT INTENDED USE

Further details regarding the use of the product can be found in DuPont Tyvek® Supro / Supro Plus / Pro (and Tyvek Metal) Installation Guide — New Zealand, 17 May 2021.

#### 11 SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE

The AS 1530.2-1993 flammability index of DuPont Tyvek® Supro/Supro Plus 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 shall be installed as required by E2/AS1 section 9.1.8.5.



### 12 BASIS FOR CERTIFICATION

- B2 Durability - By testing and comparison with Acceptable Solution E2/AS1
- 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
- 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 H1/AS1

### 13 SUPPORTING DOCUMENTATION FOR CERTIFICATION

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 Du Pont Tyvek Supro and Homewrap to AS/NZS 4200 and NZS 2295, September 2016
5. CSIRO Test Report FNF10724, Du Pont Tyvek Supro Test for flammability of materials in accordance with AS 1530.2:1993, 23 January 2013
6. MSDS DuPont Tyvek Spun Polyethylene, Version 2.2, 21 April 2009
7. Declaration of Performance DOP-2506B-02 Tyvek Supro Conformance with EN13859-1:2014 and EN13859-2:2014, 14 September 2017
8. AS 1530.2:1993 Methods for fire tests on building materials, components and structures, Part 2: Test for flammability of materials
9. NZS 2295:2006 Pliable, permeable building underlays
10. EN 13859-1:2014 Flexible sheets for waterproofing — Definitions and characteristics of underlays Part 1: Underlays for discontinuous roofing
11. EN 13859-2:2014 Flexible sheets for waterproofing — Definitions and characteristics of underlays Part 2: Underlays for walls
12. DuPont Tyvek® Supro / Supro Plus / Pro (and Tyvek Metal) Installation Guide — New Zealand, 17 May 2021



# PRODUCT CERTIFICATE

## DuPont Tyvek® Supro/Supro Plus



### 14 CONDITIONS RELATING TO NOTIFICATION

- (a) the certificate holder notifies the product certification body (Bureau Veritas) in writing of any intended change to any of the following particulars:
- (i) the name, address, or contact details of the certificate holder:
  - (ii) any address of a location where a certified product is produced or manufactured:
- (b) the certificate holder notifies the product certification body (Bureau Veritas) in writing of any intended change, modification, or alteration to any of the following:
- (i) the certified building method or product:
  - (ii) the method of its production or manufacture:
  - (iii) the product quality plan prepared in respect of the certified building method or product:
  - (iv) the application or installation instructions for the certified building method or product:
  - (v) any documentation relating to the use and maintenance of the certified building method or product:
- (c) if the certificate holder has any reason to suspect that the certified building method or product does not comply with the Building Code, the certificate holder notifies the product certification body (Bureau Veritas) in writing of the reason for that suspicion:
- (d) if the certificate holder or the product certification body (Bureau Veritas) finds that a certified building method or product that has been released on the market does not comply with the Building Code, the certificate holder discloses that fact in disclosure statements published in a form that is acceptable to the product certification body and to the chief executive:
- (e) if the certificate is suspended or revoked, the certificate holder—
- (i) notifies all customers to whom the building method or product is regularly supplied; and
  - (ii) immediately ceases using the certificate, the mark of conformity, and any reference to the number of the certificate.



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