

Certificate no: CM70040

Version: 1

Original issue date: 13 August 2019

Version date: 29 August 2023

1. Certificate Holder Details



**TCL Hunt Ltd
DriSpace**

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2. Product Certification Body

Bureau Veritas Australia Pty Ltd
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Melbourne VIC 3000 Australia

product.certification@bureauveritas.com

Ph: 1800 855 190

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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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VERITAS**

Product Certificate

DriStud W11

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. [Delete if not applicable]. 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

DriStud W11 is a fire retardant, fully synthetic, vapour, water barrier and a light diffuser, reflective pliable building membrane with an emittance of .08. It is a laminate of multiple layers with one side polypropylene non-woven and the other surface metallised film. White colour polypropylene non-woven is commonly used however different colour of non-woven facing can be supplied at request.

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. [Delete if not applicable]

DriStud W11 has a premium white face to increase light diffusion and reflection. It is used to line walls and under roofs with profiled metal cladding for buildings such as commercial and industrial buildings, sports stadia and warehousing facilities where extra clean white finish is required.

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.

Clause B2 Durability: Performance Clauses B2.3.1(b)

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

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

Clause F2 Hazardous building materials: Performance Clauses F2.3.1

Clause H1 Energy efficiency: Performance Clauses H1.3.1(a, 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.

1. DriStud W11 is certified for use in buildings located:
 - a. in wind zones up to and including Extra High (as defined in E2/AS1),
 - b. in any exposure zone (as defined in in NZS3604:2011), (but note 3 below)
2. DriStud W11 shall:
 - a. be installed in accordance with AS/NZS 4200.2:1994 Pliable building membranes and underlays - Part 2: Installation requirements and with the manufacturers Product Technical Statement – DriStud W11 Premium White Faced Fire Retardant Synthetic Foil, 2021, and
 - b. be protected from direct sunlight and be covered the same day that it is installed, and
 - c. be supported by safety mesh or other continuous support where available.
3. Where foil surfaces may be exposed to a corrosive atmosphere (for example agricultural sheds or within 500 metres of the sea), the foil surfaces shall face an enclosed, un-vented air space.
4. A 25mm air space adjacent to the foil side of DriStud W11 is recommended to ensure optimal thermal insulation performance and satisfactory durability.
5. Compliance with H1 shall be established by reference to the heat flows of a reference building as in Verification Methods H1/VM1 or H1/VM2 and the emittance of DriStud W11.
6. When used as a roof or wall underlay, ventilation and drainage battens shall be installed between the steel cladding and W11 to mitigate dew point condensation.

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.

B2 Durability - By testing and comparison with Verification Method B2/VM2

C3 Fire affecting areas beyond the fire source - By testing and comparison with Acceptable Solution 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 Building Code clause F2.3.1

H1 Energy efficiency - By testing and comparison with Verification Methods H1/VM1 and H1/VM2

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. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability Second edition (Amendment 12), 28 November 2019
2. C/AS2 Acceptable Solution for Buildings other than Risk Group SH for New Zealand Building Code Clauses C1-C6 Protection from Fire First edition (Amendment 2), 5 November 2020
3. Verification Methods E2/VM1 and Acceptable Solutions E2/AS1, E2/AS2 and E2/AS3 for New Zealand Building Code Clause E2 External Moisture Third edition (Amendment 10), 5 November 2020
4. H1 Energy Efficiency, Verification Method H1/VM1, Energy efficiency for all housing, and buildings up to 300 m², Fifth edition Amendment 1, 4 August 2022
5. H1 Energy Efficiency, Verification Method H1/VM2, Energy efficiency for all housing, and buildings greater than 300 m², First edition Amendment 1, 4 August 2022
6. NZS 2295 2295:2006 Pliable, permeable building underlays
7. Scion Test Report J31951 / QT5958 Duty Testing of DriStud W11 and FRU-38 Building Underlays, May 2017
8. BRANZ Report DC2921 Emittance Testing of a Material Following AS/NZS4201.5, 24 October 2017
9. MSDS Radiant Barrier (DriStud W11) Rev 27/3/19
10. AWTA Test report 17-004777 7 AS1530 Pt 2 Flammability of W11, 7 Sept 2017
11. Product Technical Statement – DriStud W11 Premium White Faced Fire Retardant Synthetic Foil, 2021

10. Supporting Information About Description (Optional)

Any supporting information for section 3.

N/A



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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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