

Certificate no: CMNZ70021

Version: 2

Original issue date: 31 October 2019

Version date: 02 December 2024

1. Certificate Holder Details



**TCL Hunt Ltd
DriSpace**

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2. Product Certification Body

Bureau Veritas Australia Pty Ltd

11/500 Collins Street
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



Product Certificate

DriStud EcoDri FR, DriStud RU22, DriStud RU24, DriStud FRU36 and Dristud FRU38 Roof and Wall Underlays

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 EcoDri FR is a fire-retardant synthetic tri-laminate water resistant, absorbent and vapour permeable underlay manufactured from recycled polypropylene. DriStud EcoDri FR is available in a range of top-face colours, primarily in darker shades. The colour may vary depending on the recycled materials used.

DriStud RU22 and DriStud RU24 are non-fire retardant, synthetic tri-laminate water resistant, absorbent and vapour permeable underlays. DriStud RU22 is grey-faced and DriStud RU24 is black-faced.

DriStud FRU36 and DriStud FRU38 are fire-retardant synthetic tri-laminate water resistant, absorbent and vapour permeable underlays. DriStud FRU36 is white faced and DriStud FRU38 is white.

All products are branded with DriStud branding and the specific product name.

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 EcoDri FR, DriStud RU22, Dristud RU24, Dristud FRU36 and DriStud FRU38, are self-supporting roof underlays which may also be used as wall underlays.

DriStud EcoDri FR, DriStud FRU36 and DriStud FRU38 are fire retardant. DriStud RU22 and DriStud RU24 are non-fire retardant.

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 (a), B2.3.2 (a)

Clause C3 Fire affecting areas beyond the fire source: Performance Clauses C3.4 (c) (DriStud EcoDri FR, DriStud FRU36 and DriStud FRU38 only)

Clause E2 External moisture: Performance Clauses E2.3.1 (contributes to), E2.3.2 (contributes to), E2.3.5 (contributes to), (E2.3.6 (contributes to), E2.3.7

Clause F2 Hazardous building materials: Performance Clauses 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. DriStud EcoDri, DriStud RU22, DriStud RU24, DriStud FRU36 and DriStud FRU38 Roof Underlays are certified for use as a roof underlay:
 - a. on buildings situated in wind zones up to and including Extra High (as set out in NZS3604) with a minimum roof pitch of 3°,
 - b. under masonry tiles, terracotta tiles, metal tiles, profiled metal claddings (subject to Condition 5(d) below), slate and composite panels,
 - c. installed horizontally or vertically (subject to Conditions 5(b)(ii) and 5(c) below),
 - d. installed on timber or steel roof framing.
2. DriStud EcoDri, DriStud RU22, DriStud RU24, DriStud FRU36 and DriStud FRU38 Roof Underlays are certified for use as a wall underlay with absorbent or non-absorbent wall claddings directly fixed to the frame or installed over an 18 mm minimum drained cavity or with masonry veneer, in accordance with NZBC Acceptable Solution E2/AS1 for timber framed buildings or NZBC Acceptable Solution E2/AS4 for steel framed buildings.
3. DriStud EcoDri, DriStud RU22, DriStud RU24, DriStud FRU36, and DriStud FRU38 Roof Underlays are not certified for use in buildings where the underlay is exposed to direct or reflected UV light.
4. DriStud EcoDri FR, DriStud FRU36, and DriStud FRU38 Roof Underlays are certified for use as a roof or wall underlay in locations exposed to view in an occupied space.
5. DriStud EcoDri FR, DriStud FRU36, and DriStud FRU38 Roof Underlays are certified for use as an air barrier.
6. DriStud EcoDri FR, DriStud RU22, DriStud RU24, DriStud FRU36 and DriStud FRU38 Roof Underlays:
 - a. shall be installed in accordance with the applicable Installation Guide (available at www.drinspace.co.nz):
 - DriStud EcoDri FR Installation Guide Rev 1.0, September 2024,
 - DriStud RU24 Installation Guide Rev 5.0, September 2024,
 - DriStud RU22 Installation Guide Rev 4.0, August 2023,
 - DriStud FRU36 Installation Guide Rev 5.0, September 2024,
 - DriStud FRU38 Installation Guide Rev 4.0, September 2024, and
 - b. when used as a roof underlay:
 - i. shall be supported by corrosion resistant mesh or alternative e.g. plastic strapping where:
 - 1) the span exceeds 1200mm or
 - 2) the underlay is installed vertically where the roof pitch is less than or equal to 10°, or



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- ii. may be installed horizontally (with upper layers overlapping the lower layers) without support, for roof pitches 3° or greater, provided the underlay is installed flat and taut, and
- iii. shall not be installed directly under direct-fixed trapezoidal or trough profile metal roof cladding, and
- c. shall be 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, and
- d. shall be protected from direct sunlight following installation within the following times:
 - i. 7 days for DriStud RU22 and DriStud FRU36
 - ii. 21 days for DriStud EcoDri FR, DriStud FRU38 and DriStud FRU24.

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. 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 comparison with Acceptable Solution E2/AS1 and NZS2295:2006; and Verification Method B2/VM1
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 NZS2295:2006
F2 Hazardous building materials - By comparison with the requirements of performance clause F2.3.1

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. C/VM1 Verification Method for Solid Fuel Appliances 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
4. 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



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5. NZS 2295 2295:2006 Pliable, permeable building underlays
6. AWTA Test Report No. 21-000283 Properties of RU24-NP, 24 March 2021
7. SCION Report J48921 / QT9209 Surface Water Absorbency of Two TCL Korea Roof Underlays, June 2021
8. TITE Test Report T270-21-03485 Tensile Properties RU24-NP, 15 October 2021
9. AWTA Test report 21-000287 Flammability of FRU 36 NP AS 1530.2-1993 Methods for Fire Tests on Building Materials, Components and Structures. Part 2: Test for Flammability of Materials, 9 March 2021
10. AWTA Test report 21-000284 Flammability of FRU 38 NP AS 1530.2-1993 Methods for Fire Tests on Building Materials, Components and Structures. Part 2: Test for Flammability of Materials, 9 March 2021
11. TITE Test Report T270-21-03486 Tensile Properties FRU38-NP, 15 October 2021
12. TITE Test Report T270-21-03487 Tensile Properties FRU36-NP, 15 October 2021
13. SCION Report 55635 Strength and Moisture Properties of 210 and 135 Roofing Underlays, April 2015
14. SCION Report 55635 Air Properties of 210 and 135 Roofing Underlays, July 2015
15. SCION Report 52879 Surface Water Absorbency of Four Building Membranes, February 2014
16. SCION Report Strength and Moisture Tests on Four Building Membranes, February 2015
17. TORAY material safety data sheet for non-woven (polypropylene Spunbond Nonwoven Fabric, SS FR), 9 July 2015
18. SCION Report J48921 / QT6808 Assessment of FRU-38 and DriStud Wall Wrap 24 Underlays, July 2018
19. SCION Report J31951 / QT5958 Duty Testing of DriStud W11 and FRU-38 Building Underlays, May 2017
20. SCION Report 68756261, Assessment of DriStud roof underlay with recycled non-woven to NZS2295, June 2023
21. AWTA Test Report No. 23-0005026 Testing to AS1530.2:1993 Methods for Fire Tests on Building Materials, Components and Structures. Part 2: Test for Flammability of Materials, 22 December 2023
22. Scion Test Report № 88294558, UV Resistance of EcoDri Roof Underlay, August 2024
23. Scion Report No. 93268623 UV RESISTANCE OF RU24 AND FRU36 ROOF UNDERLAYS, September 2024
24. DriStud RU22 Installation Guide Rev 4.0, August 2024
25. DriStud FRU36 Installation Guide Rev 5.0, September 2024
26. DriStud FRU38 Installation Guide Rev 4.0, September 2024
27. EcoDri FR Installation Guide Rev 1.0, September 2024
28. DriStud RU24 Installation Guide Rev 5.0, September 2024



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10. Supporting Information About Description (Optional)

Any supporting information for section 3.

N/A

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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