

## PRODUCT TECHNICAL STATEMENT

# DriStud FRU 38

## Fire Retardant, Self Support, Synthetic Roof Underlay

DriStud FRU 38 is a fire retardant, self-support, synthetic roof underlay. It is a micro porous, water resistant film that is laminated to two layers of non-woven spun-bonded polyolefin. DriStud FRU 38 is designed to be used as an underlay beneath roof claddings to assist with the weather tightness of buildings. This product can also be used as a wall underlay. It is available in 220gsm.

### USE

DriStud FRU 38 is intended for use on buildings designed in accordance with NZS 3604:2011 paragraph 1.1 and in wind zones up to and including 'Extra High'.

DriStud FRU 38 is designed to be used as a replacement for standard kraft paper roof underlay. It can be installed over both timber and steel framing to ensure a dry roof cavity. DriStud FRU 38 can be used under masonry tiles, metal tiles and profiled metal roof claddings.

DriStud FRU 38 must not span more than 1200mm between adjacent supports.

DriStud FRU 38 may be direct fixed with absorbent cladding and non-absorbent cladding. It can also be direct fixed with metallic cladding.

### CONDITIONS & LIMITATIONS

Where Codemark is to be relied upon, then all conditions of that certificate must be met. These are:

1. Must be installed in accordance with the DriStud FRU 38 Installation Guide Rev 2.2.
2. DriStud FRU 38 may be installed over timber and steel roof framing.
3. The certificate covers the use of DriStud FRU 38 under: Masonry tiles, Terracotta tiles, metal tiles, Profiles metal claddings, slate and composite panels.
4. DriStud FRU 38 can span up to 1200mm between adjacent supports. Where the span exceeds 1200mm a corrosion resistant mesh or alternative i.e. plastic strapping must be used.

Irrespective TCL Hunt recommends that all conditions of the certificate are met.

### INSTALLATION

DriStud FRU 38 must be installed in accordance with the DriStud FRU 38 Installation Guide Rev 2.2.

### MAINTENANCE

DriStud FRU 38 does not require any maintenance but when exposed through removal of roofing materials, it is recommended that the underlay be inspected and any damaged areas repaired or replaced.

### STORAGE & TRANSPORTATION

DriStud FRU 38 rolls must be stored in a clean, dry place and must be protected from damage and weather. DriStud FRU 38 must not be exposed to UV light for more than 20 days.

### QUALITY ASSURANCE

The manufacture of DriStud FRU 38 is ISO9001:2008 certified by Q.A. International Certification Limited (No. QAIC/KR/6001-A) on 20 January 2015.

TCL Hunt is also ISO9001:2008 certified by International Certifications (No. C32413) on 5 December 2013.



Distributed by TCL Hunt  
7 Fisher Crescent, Mt. Wellington  
Auckland, New Zealand

Revision 2.2  
May 2018

For further information please visit [www.dristud.co.nz](http://www.dristud.co.nz) or call 0800 DRISTUD (374 7883).

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### NZBC CLAUSES

If designed, installed and maintained in accordance with all TCL Hunt requirements, DriStud FRU 38 will comply with the following performance criteria of the NZ Building Code:

B1.3.1

B1.3.2

B1.3.3 (a), (h)

B2.3.1 (a)

B2.3.2 (b)

C3.4 (c)

F2.3.1

And will contribute to compliance for:

E2.3.1

E2.3.2

E2.3.7 (a), (b), (c)

Technical Data: NZS 2295:2006 Pliable, Permeable Building Underlays

	Property	Test Method	Requirement	Results
1	Water Vapour Resistance	ASTM E96 Procedure B	$\leq 0.5 \text{ MN s/g}$	Pass: 0.2MNs/g
2	Absorbency	AS/NZS 4201: Part 6	$\geq 150 \text{ g/m}^2$	Pass: 225 g/m <sup>2</sup>
3	Air Resistance	BS ISO 5636-5:2003	$\geq 0.1 \text{ MN s/m}^3$	23.3 MN s/m <sup>3</sup>
4	Water Resistance	AS/NZS 4201.4:1994	$\geq 100\text{mm H}_2\text{O}$	Pass
5	Flammability	AS 1530.2:1993	FR Index $\leq 5$	FR Index 1
6	Resistance to UV Exposure	ASTM G154		20 days
7	Mechanical	ASTM D882	Tensile Strength	MD: 6.88 KN/m CD: 5.84 KN/m
8	Edge Tear Resistance	TAPPI T470	Edge tear strength	MD: 351 N CD: 302 N

### WARRANTY

Please refer to DriStud website [www.dristud.co.nz](http://www.dristud.co.nz) for more information on warranty and disclaimer.

### FURTHER INFORMATION

Contact 0800 DRISTUD (0800 374 7883)

[www.dristud.co.nz](http://www.dristud.co.nz)

Test results may be available upon request, providing the information is not commercially sensitive.



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