

**DRISTUD FRU38 ROOF UNDERLAY**

FIRE RETARDANT, SELF-SUPPORT, SYNTHETIC ROOF UNDERLAY

**DESCRIPTION**

DriStud FRU38 is a 220gsm 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 FRU38 is designed to be used as an underlay beneath roof claddings to assist with the weather tightness of buildings.

**USE**

DriStud FRU38 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 FRU38 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 FRU38 can be used under masonry tiles, metal tiles and profiled metal roof claddings. DriStud FRU38 must not span more than 1200mm between adjacent supports. DriStud FRU38 may be direct fixed with absorbent cladding and non-absorbent cladding. It can also be direct fixed with metallic cladding.

**NZBC CLAUSES**

If designed, installed, and maintained in accordance with all TCL Hunt requirements, DriStud FRU38 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)

**CONDITIONS & LIMITATIONS**

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

- Must be installed in accordance with the DriStud FRU38 installation guide.
- DriStud FRU38 may be installed over timber and steel roof framing.
- The certificate covers the use of DriStud FRU38 under masonry tiles, terracotta tiles, metal tiles, profiles metal claddings, slate, and composite panels.
- DriStud FRU38 can span up to 1200mm between adjacent supports. Where the span exceeds 1200mm corrosion resistant mesh or alternative i.e., plastic strapping must be used.
- Irrespective, TCL Hunt recommends that all conditions of the certificate are met.

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## TECHNICAL DATA

Product Properties	Test Method	Requirement	Results
Water Vapour Resistance	ASTM E96 Procedure B	$\leq 0.5\text{MN s/g}$	Pass:0.167MN s/g
Water Vapour Permeance	ASTM E96 Procedure B	$\leq 0.5\text{MN s/g}$	5.99 ug/N.s
Absorbency	AS/NZS 4201: Procedure B	$\geq 150 \text{ g/m}^2$	Pass: 225 g/m <sup>2</sup>
Air Resistance	BS ISO 5636-5: 2003	$\geq 0.1 \text{ MN s/m}^3$	23.3MN s/m <sup>3</sup>
Water Resistance	AS/NZS 4201.4:1994	$\geq 100\text{mm H}_2\text{O}$	Pass
Flammability	AS 1530.2:1993	FR Index $\leq 5$	FR Index 3
Resistance to UV Exposure	ASTM G154	-	20 days
Mechanical	ASTM D882	Tensile Strength	MD: 6.88KN/m CD:5.84KN/m
Edge Tear Resistance	TAPPI T470	Edge Tear Resistance	MD: 351 N CD: 302 N

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

## MAINTENANCE

DriStud FRU38 does not require any maintenance but when exposed through removal of roofing materials, it is recommended that underlay be inspected, and any damaged areas repaired or replaced.

## STORAGE & TRANSPORTATION

DriStud FRU38 does not require any maintenance but when exposed through removal of roofing materials, it is recommended that underlay be inspected, and any damaged areas repaired or replaced.

## QUALITY ASSURANCE

The manufacture of DriStud FRU38 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.