

DRISTUD REPEL

FIRE RETARDANT, VAPOUR PERMEABLE, WATER RESISTANT,
FLEXIBLE AIR BARRER

**DESCRIPTION**

DriStud Repel is a green, quattro-laminate synthetic membrane consisting of two outer non-woven layers with scrim. Installed over wall framing, it provides the secondary weather resistant layer which prevents the accumulation of moisture. It is suitable for use as temporary weather protection to allow interior works to continue inside the building without the exterior wall cladding fully in place.

Compliance with the NZ Building Code is assured as it is CodeMark™ Certified.

NZBC CLAUSES

When specified in accordance with the requirements of this certificate, DriStud REPEL will comply with the following provisions of the NZ Building Code;

- **B1 Structure:** B1.3.1, B1.3.3 (h), B2.3.2, B1.3.4
- **B2 Durability:** B2.3.1 (a), B2.3.2 (a)
- **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)

USE

- DriStud Repel 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".
- To satisfy NZBC E2/AS1 in Extra High wind zones, DriStud Repel MUST be installed over a Table 23 compliant rigid wall underlay, if used behind external wall claddings.
- DriStud Repel may also be used in conjunction with oriented strand board, concrete, fibre cement and plywood.
- DriStud Repel can go behind cladding and can be installed over timber and steel framing. Where DriStud Repel is installed over steel framing, it is important to ensure an adequate thermal break has been installed.
- DriStud Repel can be used as an air barrier in unlined wall spaces including gable ends.
- DriStud Repel is suitable for direct fixing behind non-absorbent cladding including metal cladding or over a nominal 18mm ventilated cavity per table 3, E2/AS1.
- Approved sealants and expanding foam listed in DriStud Repel Installation Guide.

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TECHNICAL DATA

Product Properties	Test Method	Requirements	Results
Water Vapour Resistance	ASTM E96 Procedure B	≤ 7 MN s/g	≤ 0.50 MN s/g
Absorbency	AS/NZS 4201: Part 6	≥ 100 g/m ²	179g/m ²
Air Resistance	BS ISO 5636-5:2003	≥ 0.1 MN s/m ³	1.60 MN s/m ³
Water Resistance	AS/NZS 4201.4:1994	≥ 100mm water head	Pass
Flammability	AS 1530.2: 1993	≤ Index 5	FR Index: 1 Pass
Tensile Strength	ASTM D882	MD: > 2KN/m	10.6
		CD: > 1KN/m	8.38
Edge Tear Resistance	TAPPI T470	MD: > 100N	475
		CD: > 55N	344
UV Exposure	ASTM G154		90 Days

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

SYSTEM ACCESSORIES

- DriStud Cool Window Tape
- YouByute Flexi Tape (or corner mould if YouByute not available)
- Stinger Guns & Nails
- Marshall's Trade Seals
- VB20 Vented Battens (optional)

COMPATIBLE SEALANT

- Gorilla PRO Expanding Foam, Gorilla FLEXI Expanding Foam, Gorilla Fire Rated Expanding Foam
- Gorilla MS Sealant, Gorilla Plumbers Silicone, Gorilla 940FC, Gorilla BlackJack Bituminous Sealant, Soudaseal 240FC, Soudaseal Firestop MS, Gorilla Fix All Flexi

MAINTENANCE

DriStud Repel does not require any maintenance but when exposed through removal of cladding, the wrap must be inspected, and any damaged areas repaired or replaced.

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DESIGN/ SPECIFICATION GUIDE

DriStud Repel is certified for use as a wall underlay and air barrier on buildings:

- a). within the scope of limitations of:
 - i. NZBC Acceptable Solution E2/AS1, Paragraph 1.1 with regards to building height and floor plan area for timber-framed construction; or
 - ii. NZBC Acceptable Solution E1/AS4, with regards to building height and floor plan area for light-steel framed construction, and
 - b) situated in wind zones (as defined in NZS 3604:2011) up to and including 'Extra High', provided stud and fixing centres are no greater than specified in the DriStud Repel Installation Guide V1.0, February 2023, and
 - c) with absorbent or non-absorbent wall claddings directly fixed to the frame; or installed over an 18mm minimum drained cavity; or with masonry veneer, in accordance with NZBC Acceptable Solution E2/AS1 to timber framed buildings or NZBC Acceptable Solution E2/AS4 for steel framed buildings, and
 - d) where the underlay is no exposed to view in an occupied space.
 - DriStud Repel shall be:
 - a) installed in accordance with DriStud Repel Installation Guide V1.0, February 2023, and
 - b) seperated from fireplaces, heating appliances, flutes and chimneys in accordance with the requirements of NZBC Acceptable Solutions C/AS1 and C/AS2, Paragraph 7.5.9 for the protection of the combustible materials, and
 - c) protected from sunlight within 90 days
 - Contribution to compliance with Building Code clause H1.3.1(b) is conditional on:
 - a) the element incorporating Repel DriStud being part of the thermal envelope of the building, and
 - b) horizontal and vertical laps being securely taped.
 - May be installed in conjunction with direct fixed and cavity systems where absorbent or non-absorbent claddings are specified.
 - Must be installed in accordance with the DriStud Installation Manual. This is available at www.drinspace.co.nz.
- Irrespective, TCL Hunt recommends that all conditions of the certificate are met.

STORAGE & TRANSPORTATION

DriStud Repel rolls must be stored in a clean, dry place and must be protected from damage and weather. DriStud Repel must not be exposed to UV light for more than 90 days.

QUALITY ASSURANCE

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

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

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DriStud Repel must be installed and maintained strictly in accordance with the relevant DriSpace Repel Literature at the time of installation and must be installed in conjunction with the components or products specified in the literature.

Further, all other products, including Stinger Gun & Nails, Trade Seals and Window Flashing Tape used in conjunction with the DriStud Repel must be applied or installed and maintained strictly in accordance with the relevant manufacturer's instructions and good trade practice.

TCL Hunt Ltd will not be liable for any losses or damages (whether direct or indirect) including property damage or personal injury, consequential loss, economic loss or loss of profits, arising in contract or negligence or howsoever arising. Without limiting the foregoing TCL Hunt Ltd will not be liable for any claims, damages or defects arising from or in any way attributable to poor workmanship, poor design or detailing, settlement or structural movement and/or movement of materials to which the Product is attached, incorrect design of the structure, acts of God including but not limited to earthquakes, cyclones, floods or other severe weather conditions or unusual climatic conditions, normal wear and tear, growth of mould, mildew, fungi, bacteria, or any organism on any Product surface or Product (whether on the exposed or unexposed surfaces).

Please refer to DriSpace website www.DriSpace.co.nz for more information on the warranty condition.

For further information please visit www.DriSpace.co.nz or call **0800 374 7883**.