PRODUCT TECHNICAL STATEMENT

DriStud W11 White Faced Synthetic Foil

Premium White-Faced Fire-Retardant Synthetic Foil

DriStud W11 is a fire retardant, fully synthetic, vapour barrier, water barrier and a light diffuser insulation product. It is used for interior lining for commercial and industrial buildings, sports stadiums, and warehousing facilities where extra clean white finish is required.

FEATURES:

- Titanium white finish – extra white increases light diffusion and reflection
- Extremely lightweight yet stiff product with superior tear resistance
- Ease of installation – its stiffness and 150mm lap lines makes it easy to install
- Fire retardant – FR Index 1
- Self-supporting
- Water and vapour barrier

APPLICATION

DriStud W11 has a premium white face to increase light diffusion and reflection. It is used to line walls and under roofs to give a clean white finish when installed with white facing down or inside. Where DriStud W11 used for new construction or in connection with a building consent the work should be undertaken or supervised by a Licensed Building Practitioner (LBP).

COMPLIANCE

DriStud W11 has been tested to AS/NZS 4200:2017 and meets all the requirements of the NZBC Clauses B2, Durability (B2.3.1[b] 15 years), E2 External Moisture E2.3.2, F2 Hazardous Building Materials F2.3.1.

1	Total Weight		190 ± 5 g/m2
2	Flammability Index	AS1530.2-1993	Low (FR Index: 1)
3	Roll Size		1350mm x 56m (75sq)
4	Emittance	AS/NZS 4200.5:2017	>0.05 to ≤0.15 (Membrane Emittance Categories: SN)
5	Resistance to Water Penetration	AS/NZS 4201.4:2017	Water Barrier
6	Vapour Control Membrane	ASTM E96	Vapour Barrier (Class 2)
7	Durability	B2.3.1 (b)	15 years

FIRESAFETY DESIGN: C/AS2, 4.17.8

DriStud W11 is classified as suspended flexible fabrics and membrane structures and has a FR index of 1 when tested to AS 1530 Part 2. Therefore, it meets the requirements NZBC. According to C/VM2 4.7, C3.4 (c), W11 can be used in the following locations;

a) Suspended flexible fabrics used as underlay to exterior cladding or roofing, when exposed to view in all occupied spaces excluding household units.
b) Exit ways from spaces where people sleep.
c) All occupied spaces within crowd uses.

CONDITIONS & LIMITATIONS

- DriStud W11 is not designed to withstand prolonged direct exposure to the elements.
- The outer construction envelope of this product should be installed the same day as the metal roof.
- If installed within 500 metres of the sea where foil surfaces may be exposed to a corrosive atmosphere (including agricultural sheds), foil surfaces should face an enclosed, un-vented air space.
- To ensure optimal thermal insulation performance, as well as satisfactory durability, a 25mm air space adjacent to the foil side of the product is recommended.
- If exposed to dusts for a prolonged period, stains can result on white face.

DESIGN/ SPECIFICATION GUIDE

The rate and amount of evaporation of condensate will depend on many factors, one of the most dominant being ventilation. To manage condensation in cold or humid climates, with skillion or low-pitched roofs or wherever condensation can be an issue, please refer to MRM Code of Practice for more information.

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

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INSTALLATION

1. DriStud W11 should be installed in accordance with AS/NZS 4200.2 Installation.
2. The outer construction envelope of this product should be installed the same day as the metal roof.
3. It shall be supported by safety mesh or other continuous support where available.

For further information please visit **www.drispace.co.nz** or call **0800 DRISTUD (374 7883).**

ROOF INSTALLATION

1. May be installed vertically or horizontally starting from gutter. Make sure upper sheets lap over lower sheets by no less than 150mm. 150mm lap lines are printed for ease of installation.
2. Where installed under metal cladding an air gap of 25mm is required between absorbent roof underlay and foil or between bulk insulation/foil and roof underlay.
3. Where installed as a thermal control membrane, it should be installed with an air gap either
   a) as calculated in accordance with AS/NZS 4859.1; or
   b) not less than 20mm. Refer to AS 4200.2:2017
4. Where installed as a vapour or air barrier, it shall be continuously sealed at all discontinuities, end laps, joins and penetrations, by DriStud Joining Tape, DriStud Cool window flashing tape, or mechanical fixing with adhesive sealant or adhesive bond.

WALL INSTALLATION

1. Install DriStud W11 horizontally across the frame or vertically from top to bottom plate.
2. Make sure the upper sheets lap over lower sheets by no less than 150mm where applicable.
3. Fix rightly and adequately to framing members.

STORAGE & TRANSPORTATION

This product should be stored under cover in a clean, dry place in the pack provided.

WARRANTY

TCL Hunt Ltd warrants that DriStud W11 products will be free from manufacturing defects. Upon receiving DriStud W11, it is recommended that a visual check is made. Where defects are observed, the product will be replaced at the discretion of TCL Hunt, provided that they are returned to point of purchase. DriStud W11 products are guaranteed for use in walls and under metal roofs for a period of 15 years, provided that: 1) The product is installed in accordance with the relevant NZ Standards and our installation instructions; and 2) If installed within 500 metres of the sea, or in a non-residential building where the product may be exposed to corrosive substances, the product is contained in an enclosed, un-vented air space.

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