

**W11 WHITE FACED SYNTHETIC FOIL**  
 PREMIUM WHITE-FACED FIRE RETARDANT SYNTHETIC FOIL



**DESCRIPTION**

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 when 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 make 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), F2 Hazardous Building Materials F2.3.1.

**TECHNICAL DATA**

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

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**FIRE SAFETY  
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;

- Suspended flexible fabrics used as underlay to exterior cladding or roofing, when exposed to view in all occupied spaces excluding household units.
- Exit ways from spaces where people sleep.
- 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.
- For commercial and industrial applications only.
- It is the responsibility of the specifier to ensure the suitability of the products for the application and use.
- Where there is large surface contact area between the foil and metal cladding, it is recommended ventilation and drainage is created between them.
- Products must not come into contact with wet concrete. It is recommended concreting is completed prior to the foil installation.

**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 nonresidential building where the product may be exposed to corrosive substances, the product is contained in an enclosed, un-vented air space.

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

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**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.

**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.

**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.