

DRISTUD W8 WHITE FACED FOIL

FIRE RETARDANT MEDIUM WEIGHT WHITE FACED FOIL INSULATION

**DESCRIPTION**

DriStud W8 is a fire retardant, medium weight, extra heavy duty, synthetic, white faced foil insulation designed for multi-purpose use as commercial roof and roof sarking. It is used for interior lining for commercial and industrial buildings, sports stadiums, and warehousing facilities where white finish is required.

FEATURES

- Fire retardant
- Water and vapour barrier
- Extra R value with the reflective foil side (97% reflectivity) when installed facing an air cavity
- Superior strength, stiffness, and durability
- Self-supporting
- Acts as a barrier to radiate heat, moisture ingress, drafts, and dust penetration

APPLICATION

DriStud W8 has a 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 facing down or inside. Where DriStud W8 is 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 W8 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.

TECHNICAL DATA

Product Properties	Test Method	Requirements
Total Weight		153 ± 5 g/m ²
Flammability Index	AS1530.2-1993	Low (FR Index: 3)
Roll Size		1350mm x 56m (75sqm)
Emittance	AS/NZS 4200.5:2017	≤0.03 (Membrane Emittance Categories: RN)
Resistance to Water Penetration	AS/NZS 4201.4:2017	Water Barrier
Vapour Control Membrane	ASTM E96	Vapour Barrier
Durability	B2.3.1 (b)	15 years

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FIRE SAFETY

DriStud W8 is classified as suspended flexible fabrics and membrane structures and has a FR index of 3 when tested to AS 1530 Part 2. Therefore, it meets the requirements NZBC. According to C/VM2 4.7, C3.4 (c), W8 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 W8 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 foil installation.

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 W8 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.

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**ROOF
INSTALLATION**

1. In roof applications, DriStud W8 can span up to a maximum of 1200mm without support.
W8 must be supported for low pitch roofs (<10°).
2. To prevent condensation dripping, install VB10, 10mm Vented Battens between W8 and the cladding.
3. May be installed vertically or horizontally starting from gutter. Make sure upper sheets lap over lower sheets by no less than 150mm.
4. 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.
5. 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
6. 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 or Cool window flashing tape, or mechanical fixing with adhesive sealant or adhesive bond.

**WALL
INSTALLATION**

1. Install DriStud W8 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 W8 products will be free from manufacturing defects. Upon receiving DriStud W8, it is recommended that visual checks are 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 W8 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.