

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

- For unlined commercial and industrial applications only. Not suitable for residential buildings.
- Not suitable for applications where the white surface is intended to remain directly exposed to sunlight as part of the completed building design, including soffits and canopies, or where the product is installed beneath translucent or clear roof sheeting, including sky lights and roof lights.
- The presence of roof lights, skylights, or glazing within a building is acceptable, provided the product is not exposed to direct sunlight or UV radiation during its service life.
- The roof cladding should be installed on the same day as DriStud W8 installation.
- Prolonged exposure to dust may result in staining of the white surface.
- Products must not come in contact with wet concrete. Concrete works should be completed prior to installation where practical.
- The suitability of DriStud W8 for the intended application and environment shall be assessed by the designer, industrial processed and site-specific conditions that may degrade the product over time, including vehicle exhaust fumes and other sources concentrated contaminants, must be considered.
- Where DriStud W8 is installed in direct contact with roof cladding, the designer shall consider potential for condensation and any project-specific requirements for condensation.

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.