



## DRISTUD W11 WHITE FACED SYNTHETIC FOIL

### PREMIUM WHITE-FACED FIRE RETARDANT SYNTHETIC FOIL

#### OVERVIEW

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 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).



# DRISTUD W11 WHITE FACED SYNTHETIC FOIL

## PREMIUM WHITE-FACED FIRE RETARDANT SYNTHETIC FOIL

### PRODUCT TECHNICAL STATEMENT

#### 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;

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 UV or reflected UV exposure.
- W11 must be kept away from fumes or emissions from vehicles.
- 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.

#### 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

# DRISTUD W11 WHITE FACED SYNTHETIC FOIL

## PREMIUM WHITE-FACED FIRE RETARDANT SYNTHETIC FOIL

## PRODUCT TECHNICAL STATEMENT

### 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.

### MAINTENANCE

DriStud W11 does not require any maintenance but when exposed through removal of roofing materials, it is recommended that the underlay be inspected, and any damaged areas repaired or replaced.

### STORAGE & TRANSPORTATION

DriStud W11 rolls must be stored in a clean, dry place and must be protected from damage and weather.

### QUALITY ASSURANCE

The manufacture of DriStud W11 is ISO9001:2008 certified by Q.A. International Certification Limited (No. QAIC/KR/6001-A) on 20 January 2015. TCL Hunt is also ISO9001:2008 certified by International Certifications (No. C32413) on 5 December 2013.

### WARRANTY

Please refer to DriSpace website [www.drispace.co.nz](http://www.drispace.co.nz) for more information on the warranty conditions.

DSW11012021