



A division of  TCLHunt

# DriStud W9 Installation Guide

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## *White Faced Heavy Weight Foil Installation*

### General

DriStud W9 is a heavy weight, fire retardant, medium duty, white faced foil insulation, designed for multi-purpose use as commercial roof and roof sarking. It provides a clean white finish with increase in light diffusion and reflection when installed with white facing down. It is an extra high duty, high water barrier, medium vapour barrier product, ideal for steel roofs.

### Use

DriStud W9 is designed for use as a commercial roof and roof sarking in commercial and farm buildings in all regions of New Zealand. Durability may be affected by environmental factors, including airborne pollutants, if used in industrial or farm buildings.

### Safety

- The installer shall take all precautions to reduce work hazards.
- The installer of DriStud W9 is required to comply fully with Health and Safety in Employment Act 2002.
- Appropriate clothing, safety foot ware and hand and face protection must be used in all cases.
- Safety scaffold and barriers must comply with the requirements of the Health and Safety in Employment Act 2002 and NZBC, W9 (Construction and demolition hazards)

### Installation

DriStud W9 should be installed in accordance with *AS/NZS 4200.2: 1994 Pliable Building Membranes and Underlays, Part 2: Installation Requirements*.

#### GENERAL

DriStud W9 is not designed to withstand prolonged direct exposure to the elements. Accordingly, the outer construction envelope of this product should be installed the same day.

Aluminium foil should not come into contact with wet concrete or mortar, as the aluminium is susceptible to alkali corrosion. If installed within 500 metres of the sea, or in non-residential

buildings 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 optimum thermal insulation performance, as well as satisfactory durability, a 25mm air space adjacent to the foil side of the product is recommended.

## **ROOF**

DriStud W9 should be supported by safety Mesh or on hexagonal netting when installed. Joins must be overlapped by no less than 150mm with all top layers overlapping the outside of lower layers to facilitate drainage.

Where installed under profiled metal roofing a clearance of 25mm is required between absorbent roof underlay and foil or between bulk insulation/foil and roof underlay. When overlapping DriStud W9, it is recommended to use the ducting tape over the joins.

## **FRAMED WALLS & GABLES**

In framed walls and gables, DriStud W9 should be installed horizontally as a continuous membrane by fixing to all framing members. DriStud W9 should extend from the top plate to the bottom plate to facilitate drainage. Joins must be overlapped by no less than 150mm with all top layers overlapping the outside of lower layers to facilitate drainage. Any damage made to DriStud W9 during installation including holes and tears must be repaired. When overlapping DriStud W9, it is recommended to use the ducting tape over the joins.

## **VAPOUR BARRIER INSTALLATION**

Where DriStud W9 is intended to act as a vapour barrier, tape and seal all overlapped joints, penetrations and discontinuities with insulation/ducting tape to prevent air movement. This will help achieve a true vapour barrier.

Joins must be overlapped by no less than 150mm with all top layers overlapping the outside of lower layers. There should be a clearance of 25mm between absorbent roof underlay and foil when installed under profiled metal roofing.

## **Who can install DriStud W9?**

Where DriStud W9 used for new construction or in connection with a building consent the work should be undertaken or supervised by a Licensed Building Practitioner (LBP).

## **Warranty**

TCL Hunt Ltd warrants that DriStud W9, foil insulation will be free from manufacturing defects. Upon receiving DriStud W9, it is recommended that a 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.

TCL Hunt foil 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.

This product should be stored in a dry place, and should not be exposed to direct sunlight for extended periods.

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

### **Further informaiton**

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