

DriStud F3 Installation Guide

Double Sided Foil Installation

General

DriStud F3 is a standard weight, fire retardant, medium duty, double sided reflective foil insulation, designed for use as insulation and condensation control under metal in commercial and industrial buildings. It is a high water barrier, medium vapour barrier product, ideal for steel roofs. It provides extra R-value from inward and outward facing reflective surfaces when used in conjunction with adjacent air spaces.

Use

DriStud F3 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 F3 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, F3 (Construction and demolition hazards)

Installation

DriStud F3 should be installed in accordance with *AS/NZS 4200.2: 1994 Pliable Building Membranes and Underlays, Part 2: Installation Requirements*.

GENERAL

DriStud F3 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 F3 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 F3, it is recommended to use the ducting tape over the joins.

FRAMED WALLS & GABLES

In framed walls and gables, DriStud F3 should be installed horizontally as a continuous membrane by fixing to all framing members. DriStud F3 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 F3 during installation including holes and tears must be repaired. When overlapping DriStud F3, it is recommended to use the ducting tape over the joins.

VAPOUR BARRIER INSTALLATION

Where DriStud F3 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 F3?

Where DriStud F3 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 F3, foil insulation will be free from manufacturing defects. Upon receiving DriStud F3, 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 for more information on the warranty conditions.

Further informaiton

For further information please visit www.dristud.co.nz or call 0800 DRISTUD (374 7883).