

DriStud UF2 Installation Guide

Perforated Underfloor Foil Installation

General

DriStud UF2 is a fire retardant, medium duty, very high permeable floor insulation, designed for use under floors with a sealed air space between flooring and enclosed sub-floor space. Double-sided reflective surfaces provide increased R-value to your floor system. 10mm weep holes at approximately 10 holes per m² in the membrane structure allow water and water vapour to permeate through and help preventing moisture build-up under flooring.

Use

DriStud UF2 is designed for use as an insulation under floors with a sealed air space between flooring and enclosed sub-floor space. Where the sub-floor space is exposed to wind, e.g. in pole construction, a lining should be installed under the floor joists.

Installation

DriStud UF2 should be installed in accordance with *AS/NZS 4200.2: 1994 Pliable Building Membranes and Underlays, Part 2: Installation Requirements*.

INSTALLATION BETWEEN JOISTS

1. Install DriStud UF2 between joists.
DriStud UF2 is conveniently installed by rolling along the tops of the joists keeping the material under tension with one hand and fastening with a hammer tacker. To ensure maximum durability, only galvanised staples should be used.

DriStud UF2 should be installed at least 90 mm from the underside of flooring, i.e. at the bottom of a standard joist. Joins should overlap by 50 mm and be taped with Insulation/Ducting Tape.

INSTALLATION OVER BEARERS

1. Roll DriStud UF2 out over the bearers, with minimal sag between the bearers.
2. Staple down with a hammer tacker to hold product in place until joists are installed.
3. Overlap by 50 mm, and tape joins between rolls of DriStud UF2 using any Insulation/Ducting Tape. **Note:** *AS/NZS 4200.2:1994* provides for an overlap of 150 mm as an alternative to taping.
4. In external masonry clad houses, the foil should be turned up and stapled to the underside of flooring, preventing air movement between the sub-floor space and ventilated cavity.

Installation *continued...*

INSTALLATION OVER JOISTS

DriStud UF2 can also be installed over joists with a minimum sag of 90 mm. Joins should overlap by 50 mm and be taped with Insulation/Ducting Tape.

Note: AS/NZS 4200.2:1994 provides for an overlap of 150 mm as an alternative to taping.

RETRO-FIT INSTALLATION

DriStud UF2 should be installed under existing floors in accordance with relevant Aluminium Foil Insulation Association Inc. (AFIA) Safe Work Methods. New Zealand Standard NZS 4246:2006 is helpful.

GENERAL

DriStud UF2 is not designed to withstand prolonged direct exposure to the elements. Accordingly, the outer construction envelope of this product should be installed without delay. 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.

Who can install DriStud UF2?

Where DriStud UF2 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).

Safety

- The installer shall take all precautions to reduce work hazards.
- The installer of DriStud UF2 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, F5 (Construction and demolition hazards)

Warranty

TCL Hunt Ltd warrants that DriStud UF2, underfloor foil insulation will be free from manufacturing defects. Upon receiving of DriStud UF2, it is recommended that a visual check is made. Where defects are observed, these 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 and tile 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.

Warranty continued...

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 warranty and disclaimer.

Further informaiton

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