

4161TH DRISPACE UNDERLAYS, DPC & AIRTIGHT SYSTEMS ----- DriStud EcoDri FR Specification

1. GENERAL

This section relates to the application of DriSpace (a division of TCL Hunt) products, comprising:
- DriStud EcoDri FR - 181 gsm fire retardant synthetic self-support roof underlay

1.1 RELATED WORK

Refer to 4161 UNDERLAYS, FOIL AND DPC for underlays, foils and DPC.

The section(s) stated above are often necessary to support this section, consider carefully and ensure they are included in the project specification if required.

Include cross references only to other work sections where they include directly related work. Refer to 3421 LIGHT STEEL FRAMED BUILDINGS or relevant steel framing section for thermal break.

Refer to 3821 TIMBER FRAMING or relevant timber framing section for timber framing.

1.3 DOCUMENTS

Refer to the general section 1233 REFERENCED DOCUMENTS. The following documents are specifically referred to in this section:

NZBC B2	Durability
NZBC C/AS2	Protection from fire
NZBC C3	Fire affecting areas beyond the fire source
NZBC E2/AS1	External moisture
NZBC F2	Hazardous building materials
AS/NZS 2904	Damp proof courses and flashings
AS 1530.2	Methods for fire tests on building materials, components and structures – test for flammability of materials
NZS 3604	Timber-framed buildings
AS/NZS 4200.1	Pliable building membranes and underlays - Materials
AS/NZS 4201.4	Pliable building membranes and underlays - Methods of test - Resistance to water penetration
AS/NZS 4389	Roof Safety mesh
AS/NZS 4534	Zinc and zinc/aluminium-alloy coatings on steel wire
NZMRM CoP	NZ Metal Roof and Wall Cladding Code of Practice

CodeMark™ CMNZ70021 version 4 - DriStud EcoDri FR, DriStud RU22, DriStud RU24, DriStud FRU36 and Dristud FRU38 Roof and Wall Underlays

Delete from the DOCUMENTS clause any document not cited. List any additional cited documents.

The following are related documents and if referred to in the work section need to be added to the list of DOCUMENTS:

NZBC H1/AS1-AS2	Energy efficiency
NZBC H1/VM1-VM2	Energy efficiency
NZBC E3/AS1	Internal Moisture
NZS 3602	Timber and wood based products for use in building
NASH	National Association of Steel-framed Housing (various publications)

1.4 MANUFACTURER/SUPPLIER DOCUMENTS

Manufacturer's and supplier's documents related to this part of the work:

Manufacturer/supplier contact details;

Company: DriSpace, a division of TCL Hunt Ltd

Web: www.drispace.co.nz

Email: technical@drispace.co.nz

Telephone: 0800 374 7883

It is important to ensure that all personnel on site have access to accurate, up to date technical information on the many products, materials and equipment used on a project. In most cases individual products are not used in isolation, but form part of a building process. Also a particular manufacturer's and/or supplier's requirements for handling, storage, preparation, installation, finishing and protection of their product can vary from what might be considered the norm. Access to technical information can help overcome this potential problem.

1.5 WARRANTY - MANUFACTURER/SUPPLIER

Provide a material manufacturer/supplier warranty:

15 years For materials

- Provide this warranty on the manufacturer/supplier standard form.
- Commence the warranty from the date of original purchase.

Refer to the general section 1237 WARRANTIES for additional requirements.

Modify or expand the clause to suit project or manufacturer/supplier requirements, options include:

- *Change the standard form to be used (check with the manufacturer/supplier, use the general section 1237WA WARRANTY AGREEMENT if required)*
- *Commence the warranty from the date of purchase (check with the manufacturer/supplier)*

Requirements

1.6 NO SUBSTITUTIONS

Substitutions are not permitted to any of the specified systems, components and products listed in this section.

DRISTUD ECODRI FR FIRE RETARDANT SELF-SUPPORT SYNTHETIC ROOF UNDERLAY

A 181gsm heavy weight, fire retardant, self support synthetic non-woven roofing underlay consisting of two layers of polypropylene laminated to a microporous water resistant film. CodeMark™ certified and designed for use as a vapour permeable, water resistant roofing underlay under masonry tiles, metal tiles or profiled metal roof claddings, or as a wall underlay suitable for direct fix or over a cavity with absorbent or non-absorbent cladding, on timber or steel framing.

Suitable for wind zones up to and including Extra High, as outlined in [NZS 3604](#).

Fire retardant to AS 1530.2 with flammability index of ≤ 5 , to [NZBC C/AS2](#), meets the requirements for suspended fabrics.

Intended for use on new and existing buildings. Can be used in areas exposed to view in occupied spaces.

At 10° pitch or greater Dristud FRU 38 is self supporting up to 1200mm rafter/purlin spacing. For roof pitch of 3° - 10° it must be installed on supporting netting or equivalent system.

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Accessories

2.16 WIRE NETTING

75mm galvanized hexagonal wire netting to [AS/NZS 4534](#).

Wire netting is normally only used to support underlay. particularly for pitches under 10° and some wide purlin spacings (1200mm).

2.17 SAFETY MESH

Galvanized or PVC coated safety mesh to [AS/NZS 4389](#).

Usually required under profiled plastic roofing to prevent fall through.

Normally galvanized but PVC coated is available for visual purposes or for sea spray zones and chemical environments. Stainless Steel is sometimes available for extreme environments, check availability.

3. EXECUTION

Conditions

3.1 GENERAL REQUIREMENTS

Design, application and installation of DriStud products to [NZBC E2/AS1](#), CodeMark™ certification, DriStud Technical Literature and Industry Codes of Practice.

DELIVERY, STORAGE & HANDLING OF PRODUCTS

Refer to 1270 CONSTRUCTION for requirements relating to delivery, storage and handling of products.

Use this standard generic clause and if appropriate add additional special requirements.

PRE-INSTALLATION REQUIREMENTS

Check work previously carried out and confirm it is of the required standard for this part of the work. Carry out remedial work identified before laying underlay.

Application - Roofing Underlay and Foil

3.9 WIRE NETTING

Lay 75mm galvanized wire netting at right angles across the purlins and draw taut before fixing. Tie edges of netting together with galvanized wire clips.

Wire netting is used to support roofing underlays, particularly those that are not self supporting. Wire netting must be used to support all types of underlay where the roof has a pitch below 10°.

3.10 SAFETY MESH

Lay safety mesh over exposed roof areas fixed in accordance with AS/NZS 4389 and NZMRM CoP.

3.13 ROOF UNDERLAY INSTALLATION

Install in accordance with the DriStud Instruction Manual. Apply from the lowest point to allow laps to shed water. All edge and end laps must be overlapped by a minimum of 150mm. Ensure that the underlay is properly fixed to the surface at perimeters or around penetrations.

3.8 COMPLETION MATTERS

Refer to 1270 CONSTRUCTION for completion requirements and if required commissioning requirements.

Use this standard generic clause and if appropriate add additional special requirements.

4. SELECTIONS

For further details on selections go to www.drispace.co.nz

Substitutions are not permitted to the following.

Select the options to suit the project and delete options not specified

Wire Netting

4.9 WIRE NETTING

Location: ~

Finish: ~

*Finish: 75mm galvanized wire netting, or
Suitable plastic or plastic coated netting (Zone D and Zone E)
Use under non supporting underlays.*

Safety Mesh

4.10 SAFETY MESH

Location: ~

Finish: ~

Finish:- galvanized or PVC coated.

Normally galvanized but PVC coated is available for visual purposes or for sea spray zones and chemical environments. Stainless Steel is sometimes available for extreme environments, check availability.

Roofing Underlays

4.11 DRISTUD ECODRI FR

Location: ~

Type: DriStud EcoDri FR

Fire Retardant.