W8 White Faced Foil
BPIR Declaration

Version: v1

Designated building product: Class 1

Declaration

DriSpace - a division of TCL Hunt has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Product/system

Name	W8 White Faced Foil
Line	
Identifier	W8

Description

DriStud W8 is a fire retardant, medium weight, extra heavy duty, synthetic, white faced foil insulation designed for multipurpose use as commercial and industrial roof and wall linings.

The foil is white faced with a white underside and comes in 1350mm x 56m (75m2) roll size.

Scope of use

DriStud W8 can be used in commercial and industrial buildings, sports stadiums, and warehousing facilities where a white finish is required.

Constructed with timber or steel framing. It is to be supported by safety mesh or on hexagonal netting when installed.

It can be installed in conjunction with profiled metal roof and wall claddings, provided there is adequate ventilation, and condensation management is implemented.

Situated in NZS 3604 Wind Zones up to and including ‘Extra High’ for roof application and 'Very High' for wall application.

DriStud W8 when used in buildings where a means of secondary weather defense is not required, it can be used under roofing at any pitch.

When it is used as a vapour control layer, all laps and junctions must be sealed with DriStud Cool Window Flashing Tape.

Where it is used as part of the cladding system, the designer is responsible for the design using the product property performance.

Conditions of use

- DriStud W8 is not designed to withstand prolonged direct exposure to the elements
- 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 a large surface contact area between the foil and metal cladding, it is recommended ventilation and drainage is created between them

Relevant building code clauses

B2 Durability – B2.3.1 (a), B2.3.2 (a)

C3 Fire affecting areas beyond the fire source – C3.4 (c)

E2 External moisture – E2.3.1, E2.3.2, E2.3.5, E2.3.6, E2.3.7

F2 Hazardous building materials – F2.3.1

Contributions to compliance

B2.3.1(b): DriSpace W8 has a durability of at least 15 years where the product is not crushed or exposed to prolonged exposure of UV or moisture affecting its product performance. Refer to the design and installation requirements for further information.

C/VM2 4.7, C3.4(c): DriSpace W8 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. It has passed the Flammability Index test in accordance with AS1530.2:1993. Refer to the test report referenced under documentation.

E2.3.2: DriSpace W8 has passed the resistance to water penetration in accordance with AS/NZS 4201.4:2017. Refer to the test report referenced under documentation.

F2.3.1: DriSpace W8 is safe when handled. There are no requirements for this product in order to comply with Acceptable Solution F2/AS1, First Edition Amendment 3, 2017.

Supporting documentation

The following additional documentation supports the above statements:

W8 White Faced Foil - PTS	Version 1 (Jan 2021)	https://www.drispace.co.nz/download/72/all-downloads/3083/dristud-w8-white-faced-foil-pts.pdf

For further information supporting W8 White Faced Foil claims refer to our website.

Contact details

Manufacture location	Overseas
Legal and trading name of manufacturer	H.S Corporation
Legal and trading name of importer	DriSpace - a division of TCL Hunt

Importer address for service	7 Fisher Crescent Auckland 1060
Importer website	www.drispace.co.nz
Importer NZBN	9429039477590
Importer email	technical@drispace.co.nz
Importer phone number	09 276 5070

Responsible person

As the responsible person as set out in Regulation 3, I confirm that the information supplied in this declaration is based on information supplied to the company as well as the company's own processes and is therefore to the best of my knowledge, correct.

I can also confirm that W8 White Faced Foil is not subject to a warning on ban under s26 of the Building Act.

Signed for and on behalf of **DriSpace - a division of TCL Hunt:**

Jinny Kim
TECHNICAL MANAGER
December 2023

Appendix

Note: The below appendix includes information relating to BPIR Ready.

Publishing this information is not a requirement under BPIR. Its inclusion here is to provide a reference for how this BPIR summary was generated as well as to help summary creators understand the performance clauses suggested by BPIR Ready.

BPIR Ready selections

Category: Building underlays – roofs

	Yes	No
Use in areas exposed to the interior	×	
Use under durable roof cladding	×	

Building code performance clauses

B2 Durability

B2.3.1

Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the *specified intended life* of the *building*, if stated, or:

- (a) the life of the building, being not less than 50 years, if: those building elements (including floors, walls, and fixings) provide structural stability to the building, or those building elements are difficult to access or replace, or failure of those building elements to comply with the building code would go undetected during both normal use and maintenance of the building

B2.3.2

Individual *building elements* which are components of a *building* system and are difficult to access or replace must either:

- (a) all have the same durability

C3 Fire affecting areas beyond the fire source

C3.4

Surface Linings

- (c) suspended flexible fabrics and membrane structures used in the construction of buildings must have properties resulting in a low probability of injury or illness to persons not in close proximity to a fire source.

E2 External moisture

E2.3.1

Roofs must shed precipitated moisture. In locations subject to snowfalls, roofs must also shed melted snow.

E2.3.2

Roofs and exterior walls must prevent the penetration of water that could cause undue dampness, damage to *building elements*, or both.

E2.3.5

Concealed spaces and cavities in buildings must be constructed in a way that prevents external moisture being accumulated or transferred and causing condensation, fungal growth, or the degradation of building elements.

E2.3.6

Excess moisture present at the completion of construction must be capable of being dissipated without permanent damage to *building elements*.

E2.3.7

Building elements must be constructed in a way that makes due allowance for the following:

a. the consequences of failure:
b. the effects of uncertainties resulting from *construction* or from the sequence in which different aspects of *construction* occur:
c. variation in the properties of materials and in the characteristics of the site.

F2 Hazardous building materials

F2.3.1

The quantities of gas, liquid, radiation or solid particles emitted by materials used in the *construction* of *buildings*, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.