HYDRA Classic Wall Underlay
BPIR Declaration

Version: Vn. 1

Designated building product: Class 1

Declaration

Marshall Innovations Ltd has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Product/system

Name	HYDRA Classic Wall Underlay
Line	
Identifier	HYDRACLASSIC1370 & HYDRACLASSIC2740

Description

HYDRA Classic Wall underlay is a synthetic, fire retardant, breather type flexible underlay and air barrier for use under direct fix and non-direct fixed wall claddings on timber and steel framed buildings. UV stable for 60 days. HYDRA Classic is a white absorbent Tri-laminate underlay, the outer layers are non-woven with a functional membrane to the center. HYDRA Classis is available in two convenient sizes, 1370 x 37m (50 sq/m) & 2740 x 37m (100 sq/m)

Scope of use

HYDRA Classic Wall Underlay has been assessed for use as a flexible wall underlay on timber and steel framed buildings within the following scope; • the scope limitations of E2/AS1, Paragraph 1.1 with regards to building height and floor plan area; and, • with direct absorbent & non-absorbent wall claddings; or, • with absorbent and non-absorbent wall claddings installed over a minimum 18mm drained cavity; or, • with masonry veneer in accordance with NZBC Acceptable Solutions E2/AS1, Paragraph 1.1 with regards to building height and floor plan area; and, •

situated in NZS3604 Wind Zones up to and including Very High HYDRA Classic Wall Underlay has also been approved for use as a flexible wall underlay over rigid wall underlays on timber and steel framed buildings within the following scope: • the scope limitations of NZBC Acceptable Solutions E2/AS1, Paragraph 1.1 with regards to building height and floor plan area; and, • with absorbent and non-absorbent wall claddings installed over an 18mm minimum drained cavity; and, • with masonry veneer in accordance with NZBC Acceptable Solutions E2/AS1, Paragraph 1.1 with regards to building height and floor plan area; and,
• situated in NZS 3604 Wind Zones up to and including Extra High. Suitable for use as an air barrier to walls that are not lined, such as attic spaces at gable ends. HYDRA Classic Wall Underlay has also been appraised for use in buildings subject to specific weathertightness design. Building designers are responsible for the building design and for the incorporation of HYDRA Classic Wall Underlay into their design in accordance with the declared properties and the instructions of Marshall Innovations Limited.

Conditions of use

HYDRA Classic Wall Underlay must be installed in accordance with the specifications and latest technical information and must comply with all relevant clauses of the NZBC regulations and standards HYDRA Classic Wall Underlay can only be exposed to UV for 60 days.

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 – E2.3.2, E2.3.5, E2.3.6, E2.3.7

F2 Hazardous building materials – F2.3.1

H1 Energy efficiency – H1.3.1 (b)

Contributions to compliance

B2 Durability; B2.3.1(a) B2.3.2(b) Alternative Solution. Meets the requirements of NZS2295: 2006 and table 23 of E2/AS1. Tested by Scion

C3 Fire Affecting Areas Beyond the Fire Source Verification Method C/VM2. Meets the requirements of NZS2295: 2006 flammability index of 1 when tested to AS1530 Part 2:1993. Tested by NZWTA

E2 External Moisture E2.3.2, E2.3.5, E2.3.7 (a, b, c) Acceptable Solution. Meets the Meets flexible wall underlay requirements of Table 23 of E2/AS1. Complies with section 2 of NZS 2295:2006 [Scion, 08/2024]. › Tested to [Scion. 08/2024]: • vapour resistance: ASTM E96 • water penetration resistance: AS/NZS 4201.4:1994 • mechanical strength: ASTM D882, TAPPI T470 • flammability: NZS/AS 1530.2:1993 • air resistance: ISO 5636.5:2013 • UV exposure (mechanical strength): ASTM D882, TAPPI T470, ASTM G154 • classified as W4 under NZS 2295:2006. › Tested to AS/NZS 4201.6:1994 (achieved greater than 100 g/ m2)

Supporting documentation

The following additional documentation supports the above statements:

HYDRA Classic Installation Guide	Version One, August 2024	https://www.mwnz.com/file/hydra-classic-wall-underlay-install-guide/open
HYDRA Classic Wall Underlay Product Warranty	Apr 2025	https://www.mwnz.com/file/hydra-classic-wall-underlay-product-warranty/open
HYDRA Classic PASS Certificate	1.1	https://www.mwnz.com/file/hydra-classic-wall-underlay-pass/open
HYDRA Classic Roof Underlay Brochure	Aug 2025	https://www.mwnz.com/file/hydra-classic-wall-underlay-brochure/open

For further information supporting HYDRA Classic Wall Underlay claims refer to our website.

Contact details

Manufacture location	Overseas
Legal and trading name of manufacturer	Undisclosed

Legal and trading name of importer	Marshall Innovations Ltd
Importer address for service	41 Hotuhotu Street Tauranga 3110
Importer website	mwnz.com
Importer NZBN	9429030850743
Importer email	headoffice@mwnz.com
Importer phone number	08007769727

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 HYDRA Classic Wall Underlay is not subject to a warning on ban under s26 of the Building Act.

Signed for and on behalf of **Marshall Innovations Ltd:**

Nick Batt
CEO
Aug 2025

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 – walls

	Yes	No
Use in areas exposed to the interior	×	
Use under masonry cladding systems	×	

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

E2.3.2

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.

H1 Energy efficiency

H1.3.1

The *building* envelope enclosing spaces where the temperature or humidity (or both) are modified must be constructed to

- (b) limit uncontrollable airflow