

Tekton Wall Underlay

BPIR Declaration

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	Tekton Wall Underlay
Line	Tekton Wall Underlay
Identifier	TEKWRAP

Description

Tekton Building Wrap is a synthetic, fire retardant, breather-type flexible underlay, and air barrier for use under direct fix and non-direct fixed wall cladding on timber and steel-framed buildings. UV stable for 60 days. Tekton is manufactured with a coated spun bonded polypropylene. Tekton is available in standard roll sizes; 2740mm x 37m & 1370mm x 37m. Tekton branding is clearly displayed on the external face of the underlay, this may be accompanied by builder or merchant branding. Tekton is a component of the Marshall Weatherization System.

Scope of use

Tekton® has been appraised for use on buildings within the following scope: • constructed with timber framing in accordance with the scope limitations of NZBC Acceptable Solution E2/AS1 or, • constructed with steel framing subject to specific engineering design, with the building height and floor plan area in accordance with scope limitations of NZBC Acceptable Solution E2/AS1; and, • with absorbent wall claddings directly fixed to frame complying with NZBC Acceptable Solution E2/AS1 or covered by a valid BRANZ Appraisal that specifies a flexible wall underlay and a flexible flashing system; or, • with absorbent and non-absorbent wall claddings installed over an 18 mm minimum drained cavity complying with NZBC Acceptable

Solution E2/AS1 or covered by a valid BRANZ Appraisal that specifies a flexible wall underlay or a rigid wall underlay with flexible underlay over and flexible flashing system; or, • with masonry veneer in accordance with NZBC Acceptable Solution E2/AS1 for timber framed buildings or specific design for steel framed buildings; and, • situated in NZS 3604 Wind Zones up to and including Very High where the flexible wall underlay is directly fixed to the frame, and up to and including Extra High where the underlay is used over rigid wall underlays.

Conditions of use

Tekton 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 Tekton cannot be used with DIRECT FIX, non-absorbent claddings such as plastic type weather-boards and trough type metal cladding. Corrugated and trapezoidal may be acceptable when installed vertically, please contact Marshalls to confirm suitability. Tekton 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

B2.3.1 (a): Tekton has a durability of not less than 50 years where used with a cladding durability requirement or expected serviceable life of not less than 50 years. B2.3.1 (b): 15 years for building wraps used where the cladding durability requirement is 15 years. E2.3.2 Tekton will contribute to meeting this requirement when used as part of a cladding system. Tekton meets the requirements of Table E2/AS1. Refer to BRANZ Appraisal 548. F2.3.1 Tekton is safe to handle and will not present a health hazard to people.

Supporting documentation

The following additional documentation supports the above statements:

Tekton Specification	MW TEKTON 10/2014	https://www.mwnz.com/file/file58e58c0220256/open
Product Warranty	MI Warranties TEK 2015	https://www.mwnz.com/file/tekton-product-warranty/open
Tekton BRANZ Appraisal	Appraisal 548 (2019)	https://mwnz.com/file/tekton-branz-appraisal/open
Tekton Brochure		https://www.mwnz.com/file/tekton-brochure/open

For further information supporting Tekton 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	07 5430948

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 Tekton Wall Underlay is not subject to a warning or ban under [s26 of the Building Act](#).

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



Nick Batt
CEO
Nov 2023

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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