

Building Product Information Sheet

This sheet is produced in compliance with the requirements of the *Building (Building Product Information Requirements) Regulations 2022*. Under Schedule 1 of those regulations certain information must be disclosed about designated building products (in this case **Weatherboards, fascia, facings and other outdoor trim of New Zealand Radiata pine and other coniferous species**) to provide building product users with data about how building products contribute to compliance with the Building Code.

Product: Weatherboards, fascia, facings and other outdoor trim of New Zealand Radiata pine and other coniferous species

Weatherboards, fascia, facings and other outdoor trims are timber products used for cladding the exteriors of houses and other buildings and as finishings, joinery and trim to assist in keeping these weathertight.

New Zealand produced products are almost all of Radiata pine with much smaller offerings in other coniferous species.

Profiled products covered by this information sheet are manufactured to conform with the specifications set out in NZS3617:1979 Specification for profiles for weatherboards, fascia boards and flooring. This standard sets out the product requirements to be met in terms of dimension, profile and moisture content.

Timber products not covered in NZS3617:1979 have applications where appearance is not a consideration. Nevertheless, these products are essential elements in maintaining the weathertightness of buildings. Such products include valley boards, cavity battens, roof battens and purlins and sarking.

NZS3602:2003 Timber and Wood-based products for use in building sets out the durability/preservative treatment, grade and surface coating requirements for these products. In some cases, these products may be finger-jointed in order to achieve greater length. In such cases the finger jointing process is required to meet the manufacturing standards laid down in AS/NZS1491:1996 Finger jointed structural timber.

AS/NZS1604:2021 Preservative treated wood-based products sets out the specifications for the preservative treatment of Radiata pine timber and other species in order to protect against decay and insect attack in various end uses. The products covered by this sheet are treated to the hazard classes appropriate to achieve the durability requirements of NZS3602:2003 Timber and Wood-based products for use in building. Primarily they are (for greater detail refer to NZS3602);

H1.2 – roof purlins and battens

H3.1 – sarking, valley boards, boards supporting flashings, cavity battens, weatherboards, fascia and barge boards, window frames (all these products are often available as treated to H3.2)

H3.2 – Exterior handrails

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Relevant Building Code clauses:

Clause B2—Durability

- B2.1 – the objective of this provision is to ensure that a building will throughout its life continue to satisfy the other objectives of this code.
- B2.2 – Building materials, components and construction methods shall be sufficiently durable to ensure that the building, without reconstruction or major renovation, satisfies the other functional requirements of this code throughout the life of the building.

Clause E2 - external moisture

- E2.1 – the objective of this provision in relation to weatherboards, fascia, facings and other outdoor trim of New Zealand Radiata pine and other coniferous species is to safeguard people from injury or illness that could result from moisture entering the building.
- E2.2 – the functional requirement is for buildings constructed using these products to provide adequate resistance to penetration by and the accumulation of moisture from the outside. The performance requirement for E2.2 shall not apply to buildings where moisture penetrating from the outside or accumulating from within them or both is unlikely to significantly impair all or any of their amenity, durability and stability.

Statement on how weatherboards, fascia, facings and other outdoor trim of New Zealand Radiata pine and other coniferous species is expected to contribute to compliance:

B2 Durability – weatherboards, fascia, facings and other outdoor trim of New Zealand Radiata pine shall meet the requirements of Clause B2 of the Building Regulations 1992, Schedule 1 of the Building Code, specifically to the building elements having, with normal maintenance, to continue to satisfy the performance requirements of the Building Code. In particular clauses;

- B2.3.1(a) – the life of the building, being not less than 50 years
- B2.3.1(b) – 15 years in some circumstances where building elements are moderately difficult to access or replace
- B2.3.1(c) – 5 years in some circumstances where elements are easy to access and replace

For greater detail refer to Clause B2.3.1 of the Building Regulations 1992.

E2 - External Moisture

In terms of performance, these products, when installed as specified in NZS3604 Timber framed buildings, shall meet E2.3.2 where exterior walls must prevent the penetration of water that could cause undue dampness, damage to building elements or both.

E2.3.7 – building elements must be constructed in a way that makes due allowance for;

a – the consequences of failure

b – the effects of uncertainties arising from construction or from the sequence in which different aspects of construction occur, variation in the properties of materials and the characteristics of the site

Limitations on the use of Weatherboards, fascia, facings and other outdoor trim of New Zealand Radiata pine:

Weatherboards, fascia, facings and other outdoor trim of New Zealand Radiata pine treated to H3.1 or H3.2 should not be used where it will be in contact with the ground or permanent wetting.

Design requirements that would support the use of Weatherboards, fascia, facings and other outdoor trim of New Zealand Radiata pine:

When used in construction, particularly work deemed to be Restricted Building Work (RBW) as defined in the *Building (Definition of Restricted Building Work) Order 2011* it's use should be in accordance with the specifications set out in NZS3604.2011 Timber framed buildings or NZS/AS1720 Part 1.2022 Timber structures.

Maintenance requirements:

Timber products where used in exterior applications such as in claddings and fascia should be regularly washed down to prevent the build-up of dust and grime which lead to product deterioration and failure to perform in preventing the ingress of moisture. For the same reasons the products should regularly be painted with a reputable surface coating.

Installation requirements:

When used in Restricted Building Work as defined in the *Building (Definition of Restricted Building Work) Order 2011* Structural timber must be installed by a Licensed Building Practitioner with appropriate certification.

Weatherboards, fascia, facings and other outdoor trim of New Zealand Radiata pine is not subject to a warning or ban in terms of S26 of the *Building Act 2004*.

Date: 18 September 2023