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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 **New Zealand Decking Boards from Treated Radiata Pine**) to provide building product users with data about how building products contribute to compliance with the Building Code.

Product: Decking Boards of New Zealand Treated Radiata Pine

Product & Intended Use:

Decking boards of preservative treated Radiata Pine are used as walkable surfaces on outdoor structures commonly known as decks. These decks are most frequently built at ground levels but often slightly elevated and so the timber must have weight bearing properties as well as durability. (Note this sheet relates to decking boards only and not to the structural timbers used to build decking support structures/sub floor framing).

Grade:

Premium, Regular, Industrial & Merchantable grades (knot free clears may sometimes be available).

Hazard class:

H3.2

Moisture Content:

Preservative treated decking boards are supplied after treatment and are supplied drip free.

Surface:

Most frequently one face grooved/one face smooth.

Dimensions:

Standard sizes are (mm):

- 100 x 25 (actual size 88 x 21)
- 100 x 40 (actual size 88 x 32)
- 150 x 40 (actual size 140 x 32)

Standard decking timber lengths are 2.4m to 6.0m and in increments of 0.6m.

Decking is usually supplied without a surface colouring.

Relevant Building Code clauses:

B2 Durability - Completed decks must also meet the following Building Code clauses: E2 External moisture (waterproofing to the building envelope where the support structure requires intrusion through the cladding system); D1 Access routes, F2 Hazardous building materials (glass barriers) and F4 Safety from falling.

NZS 3604:2011 Timber-framed buildings provides an Acceptable Solution for the construction of decks and balconies supported from the main part of a building if they are no more than 3.0 m from the lowest part of cleared ground to the upper surface of decking.

Statement on how Decking Boards of treated Radiata Pine are expected to contribute to compliance:

B1 Structure - the products shall meet the requirements of Clause B1 of the Building Regulations 1992, Schedule 1 the Building Code in particular clauses B1.1, B1.2, B1.3.1, B1.3.2, B1.3.3 and B1.3.4.

B1.1 - safeguarding people from injury and loss of amenity and protection of other property.

B1.2 - functional requirements of buildings throughout their lives.

B1.3.1 - low probability when used in a building in accordance with NZS3604.2011 Timber framed buildings or NZS/AS1720 Part 1.2022 Timber structures of rupturing, becoming unstable, losing equilibrium or collapsing throughout their lives.

B1.3.2 - low probability when used in accordance with NZS3604.2011 Timber framed buildings or NZS/AS1720 Part 1.2022 Timber structures of causing loss of amenity through undue deformation, vibratory response, degradation or other physical characteristics throughout their lives when the building is in use

B1.3.3 - when used in accordance with NZS3604.2011 Timber framed buildings or NZS/AS1720 Part 1.2022 Timber structures, account is taken of all the physical conditions that are likely to affect the stability of the building element or building.

B1.3.4 - when used in accordance with NZS3604.2011 Timber framed buildings or NZS/AS1720 Part 1.2022 Timber structures, allowance is made for:

- i consequences of failure
- ii intended use of the building
- iii variation in the properties of materials and site characteristics
- iv accuracy limitations inherent in methods used to predict the stability of buildings.

B2 Durability – Decking boards of treated 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(b) - 15 years in some circumstances where building elements are moderately difficult to access or replace.

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

Decking boards preservative treated in accordance with AS/NZS1604.2021 Preservative treated wood-based products shall meet the B2 requirements.

Limitations on the use of structural timber:

Decking boards of treated Radiata Pine should not be used where it will be subject to loadings that are above design limits as specified in NZS3604.2011 Timber framed buildings or NZS/AS1720 Part 1.2022 Timber structures.

Design requirements that would support the use of structural timber:

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.

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.

When a treated timber product is cut, notched, drilled, or worked in any way that breaks the surface of the timber product, then it is recommended that a suitable resealing preservative product be applied to the exposed areas to maintain the treatment integrity.

Maintenance requirements:

Decking boards of treated Radiata Pine should be regularly maintained to ensure continued amenity and safety for users. This maintenance should involve frequent sweeping and washing to prevent the buildup of dust and debris, especially within grooves, that could compromise safety and durability. Oiling or staining decking boards is not essential, but can improve appearance and durability.

Declaration:

Decking boards of treated Radiata pine are not subject to a warning or ban in terms of S26 of the *Building Act 2004*.

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