



**CLASS 1**

# Building Product Information Sheet

**Product name:**

Hardwood Decking Kwila Reeded Decking

**Product line** (the product line from which the product is customised):

Black Forest Kwila Decking

**Product description and its intended use** (measurements, materials, usage):

Hardwood Decking 140 x 19 Kwila Reeded Decking

**Available Sizes:** 140x19mm and 90x19mm

**Product Identifiers in order above:** BFK14019R and BFK9019R

Suitable for exterior decking. Kwila decking boards 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.)

Species Kwila  
Grade Dressing heart  
Treatment N/A

Features

**Place of manufacture:** Indonesia

**Legal and trading name of the manufacturer(s):**

PT. Indo Furnitama Raya, CV. Jati Makmur, PT. Forest Indo Perkasa

**Legal and trading name of the importer** (if applicable):

Black Forest Investments NZ Limited

**Address for service:**

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New Zealand Government

**Relevant Building Code clauses:**

B1 Structure and 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 the building product is 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 – Kwila hardwood decking boards do not require treatment to 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.

**Limitations on the use of the building product:**

Not suitable for in-ground construction applications. Does leach when in contact with water. Care needed when machining. Care needed when staining, polishing and gluing due to natural resins. Decking boards 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 the building product:**

When used in construction, particularly work deemed to be Restricted Building Work, as defined in the Building Order 2011 (Definition of Restricted Building Work), 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. Before undertaking any construction work you must consult with your local authority to check that any construction requirements are met and to determine if a Building Consent is required. A qualified tradesman should be consulted where expert services may be required. 19mm Decking should be installed at maximum 450mm joist centres, 32mm and above should be installed at maximum 600mm joist centres. To ensure proper ventilation, the deck should have at least 450mm clearance from the ground. The New Zealand Building Code requires that decking on the main access route to a building must have a slip resistance of 0.40. Grip tread timber decking will conform to this requirement. If not on the main access route then the decking can be installed smooth face up. Very important: The New Zealand climate varies considerably between regions and seasons, so the decision on board spacing needs to take this into account. To be considered is the timber species and its movement characteristics, local climate, dryness at the time of laying (green, air-dried or kiln-dried); width of decking (wide or narrow boards); overlay over a waterproof membrane and proximity to ground. As a guide only, the wider the board, the more movement can be expected.

**Installation requirements:**

When used in Restricted Building Work as defined in the Building (Definition of Restricted Building Work) Order 2011 decking timber must be installed by a Licensed Building Practitioner with appropriate certification. Using a migrating wood oil and following manufacturer's instructions, pre-coat Hardwood Decking on all four sides and cut ends to help protect the timber during construction and its' initial life. Stainless Steel decking screws or nails, or Stainless Steel Bronze decking screws are required for use with Black Forest hardwood decking. Pilot holes must be pre-drilled and fixings located 15mm in from the edge of the board. Expansion gaps are essential for many reasons, the two most paramount are: to provide ventilation to the decking and to overcome the timbers natural tendency to shrink and swell according to the amount of moisture in the immediate environment. As a guide, 90mm boards require 3-4mm spacing and 140mm wide boards require 6mm spacing.

**Maintenance requirements:**

Decking boards 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 that could compromise safety and durability. Repeated oiling or staining of decking boards will ensure their resilience and longevity. Clean your deck annually using a light detergent that contains an anti-fungal agent, re-coat once clean and dry with a suitable exterior timber decking coating or oil following coating manufacturer's details. Tip: Removing any items that will trap water underneath them, such as furniture or pot plants, for the duration of winter will help keep your deck in its best condition.

Is the building product/building product line subject to warning or ban under section 26?:

No

If yes, description of the warning or ban under section 26:

N/A

Date: 10/11/2023