Treated Wet Decking

Overview

A durable softwood decking for budget conscious customers. Produced in New Zealand from plantation grown radiata pine.

Wood species:

Premium Grade profiles:

DK4 88x32

DK17 140x32 (graded to grip tread face)

DK4 88x19

DK18 88x19 (graded to grip tread face)

DK4 140x32

DK18 88x32 (graded to grip tread face)

DK23* 88x21 (graded to grip tread face)

Merch Grade profiles:

DK18 88x32 (graded to grip tread face)

DK23* 88x21 (graded to grip tread face)

*Available as random length only.

As this timber is supplied 'treated wet', dimensional variation may occur in the supplied product.

Lengths:

Random length packets; Fixed length packets 3.0, 3.6, 4.2, 4.5, 4.8, 5.4, 6.0m.

Fixed length packets are subject to availability and prior confirmation, different lengths may be supplied at our option. Random length packets may vary in spread and distribution of length (typically between 2.4-4.8m).

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Product specifications

Species: Radiata Pine.

Quality: **Premium Grade**/Graded to one face with face and edges mainly clear, but with some tight defects allowed up to 30% of the board width. Back side of a lower quality with defects allowed according to Standard Grade.

Merch Grade/Graded to one face with face and edges allowing defects up to half the board width. Back side of a lower quality allowing defects.

Refer to the Abodo Appearance Grade Rules for a detailed grading specification.

As this is a visually graded product up, to 5% out of grade material may be expected in each pack to allow for human error and grade interpretation. Defecting may be required to meet customer expectation or requirements of the NZBC. Installation will be deemed as acceptance of product quality.

Treatment: CCA H3.2 (NZS3640).

Moisture content: 'Wet' – variation may occur within and between packets

Expected service life: 15 years or more when installed and maintained according to manufacturer's recommendations.

Density: Approx 480 kg/m3.

Hardness: Low (3kN Janka).

Expected shrinkage:

Tangential	5%
Radial Shrinkage	3%
Longitudinal	0.5%

From fibre saturation to 12%MC – natural variation will occur between boards.

Slip resistance: 0.45-0.60 for travel perpendicular to reeded face only (indicative).

Coating: Accepts most regular wood coatings including water and oil borne stains and paints when timber is dry.

Coating with specialist deck stain recommended. Always test coatings prior to application.

Sustainability: FSC® - certified mix, No. SGS-COC-004944 (FSC certification available on request only).

Product handling

- Store timber on gluts 100mm off the ground and under cover.
- Wear appropriate PPE including gloves, safety glasses and dust mask when cutting timber.
- Do not breathe in wood dust. Always wash hands prior to smoking or eating.
- Dispose of treated timber in lined landfill. Do not burn.

Preparation

- **Pre-seasoning**
  The moisture content of timber at time of shipment is assumed to be 'wet' though variation will occur within and between packs. Seasoning the timber by placing into fillet on site for up to 3 weeks is recommended to ensure consistent moisture content and sizing across boards prior to installation, with target moisture content approximately 18%.
- **Performance limitations**
  Flat sawn pine will experience movement (approximately 5% tangential shrinkage and/or expansion) and surface cracking as part of the normal weathering process. Dimensional change in service may result in some unevenness in the gaps between boards. These are not product faults and are considered characteristics of this product.
- **Product selection**
  In heavily exposed areas such as north facing decks with no protection, a 90mm width board should be considered as 140mm width is more prone to cupping and cracking. Installing boards with grip tread face up will also help to mask surface cracking.
  If better performance characteristics are desired then a higher performance product should be considered such as Abodo Sand or Vulcan decking, wood plastic composite or FSC hardwood (please consult with Abodo or your timber merchant for options).

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Preparation

– **Ground clearance**

H3.2 treated pine must be installed minimum 300mm above ground to maintain treatment warranty. Decking substructure must allow adequate space to promote air flow (minimum 450mm is recommended) and provide drainage to prevent rising damp. For unpaved ground use of a ground level vapour barrier with slit drainage is recommended. Completely enclosing the sides of the deck will compromise the performance of the decking leading to cupping/ warping of boards.

– **Coating**

Application of a penetrating decking stain or oil all sides is recommended to assist with better weathering and long-term performance of the timber. Film forming coatings are not generally recommended. Decking must be washed down and dry (<16%MC) prior to coating.

Installation

– Use of the decking, design of structure and installation is the responsibility of the consumer and should be made in accordance with NZS3604 and the NZ Building Code.

– Joist centres must be maximum 600mm for 32mm thick boards and maximum 450mm for 19mm thick boards.

– Mitre joins are not recommended as they can open up during weathering. If possible use square cut butt joins.

– Fixings must be minimum Hot Dipped Galvanised, or 316 stainless steel in sea spray zones. Stainless steel is recommended for best long-term performance.

- **Screws:** For best results use self -drilling self-countersinking deck screws with torx drive head to achieve minimum 30mm penetration into joists. **Screws are recommended for 140mm width boards**.
- **Nails:** Must be annular grooved with flat or countersunk head deck nails to achieve minimum 30mm penetration into the joist. Jolt head nails are not permitted.

– Fixings must be positioned approximately 20mm from boards edges, with two fixings applied per joist.

– Fixings at board ends must be pre-drilled minimum 12mm from end. Apply bevel to tops and allow approx. 2mm gap at butt joins to allow airflow. Sealing of end grains with a wax sealer is good practice to help prevent moisture ingress and end-checking.

Board size	Max joist centres	Fixing type	Install gap to board edges dry timber ~16%MC	Fixing positioned
88x32	600mm	3.15x65mm Nail or 10gx65mm Screw	5mm	20mm from edge and 12mm from ends
140x32	600mm	10gx65mm Screw	8mm	20mm from edge and 12mm from ends
88x19	450mm	50mm Nail or 10gx50mm Screw	5mm	20mm from edge and 12mm from ends

Accessories

– Wash down regularly (at least every 6 months) with mild detergent, warm water and soft brush.

– High pressure water blasting is not permitted as can damage the wood surface.

– All wood will go grey after extended exposure to the weather. To maintain colour use a brown pigmented deck stain and re-apply on a regular basis.

– Surface cracking or 'checking' may occur after exposure to the weather, this can be reduced by using a quality decking stain and by installing boards with ribbed face up.

– Re-apply coating as required every 12-18 months.

– Mould growth will occur on timber, especially in high humidity conditions, for heavily soiled or mouldy areas use a use a specialist timber cleaner such as Abodo Rejuvenator or oxygenating cleaner. Apply with a stiff brush, rinse thoroughly with water. For extreme damp or mould prone areas additionally apply long acting mould inhibitor such as Resene Deep Clean, Wet and Forget or equivalent.

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