

Parkside Timber manufactures their hardwood seasoned and milled timber to Australian Standards, and Parkside Decking is of no exception.

Parkside Decking is produced to the Australian Standard 2796.

For the best performance of Parkside decking products, it is a requirement that all Parkside Decking is installed using correct best practice construction methods.

Following is an outline of a number of installation recommendations for Parkside Decking, these categories include -

On Site Handling

Installation Methods

Maintenance

Coating Recommendations

If there are further questions regarding the installation of Hardwood Decking, Parkside recommend contacting your local Parkside supplier or referring to the relevant Australian Standards.



PARKSIDE DECKING INSTALLATION GUIDE

On Site Handling

Parkside Decking is manufactured with the highest of standards and care, hence Parkside require the product to be maintained appropriately to ensure its integrity. Parkside Decking is packaged with plastic wrapping designed to protect the product during transportation only. Upon delivery of the product, it should be stored in a cool, dry, indoor area away from the elements.

Parkside does not recommend the storage of its decking product outside as this may affect its integrity before installation.

Decking Installation

Parkside Decking is a product designed to be installed onto bearers and joists and the standards for these products is outlined in the Australian Standard 1684: Residential Timber-Framed Construction and AS1720: Timber structures - Design Methods. These design methods are based around the installation of the product in a residential application, not a commercial application, therefore any commercial application may require additional design support and a change to the installation requirements.

Please note other installation factors may need to be considered including the construction of timber decks in a bushfire prone area (AS3959) and Dead and Live Load requirements (AS1170). Parkside also recommend before installation that all local council requirements are understood and adhered to during installation.

Installation Preparation

Industry standards indicate a 10% waste factor to be considered when measuring the required decking quantity. When determining the dimensions of the deck, all other factors need to be considered and noted e.g. stairs, drains, piping etc. These will need to be marked up before installation begins.

The surface below the timber deck should be clear of weeds, other debris and moisture pooling. Site preparation is key to ensuring there is suitable ventilation and drainage that prevents the pooling and build-up of moisture below the timber deck.

Installation Methods and Recommendations

Parkside Decking installation methods are rigorous and need to be adhered too, to ensure the integrity of the timber is maintained and the life span of the decking structure is maximised.

Before the installation of the decking boards, Parkside recommends all sides of the board be coated and sealed with an Oil based product. In addition to this, end sealing is also required. Parkside recommends timber decks be placed 400mm above ground.

In this process Parkside highly recommends -

- Adequate ventilation to be provided to the underside of the deck. Insufficient ventilation can create moisture containment below the deck potentially causing a significant contrast in the moisture level below and above the deck leading to potential warping issues (cupping).
- Good surface drainage. When preparing the below surface it is required that the ground below the deck is graded away from the adjacent buildings and the deck so that water does not pond.
- Access is made available to support the maintenance of the timber deck.
- Residential joist span recommendation is 450mm centre to centre joist span
- 3-5mm gap between boards for decking boards.

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Installation Methods and Recommendations

While Parkside does not recommend their timber boards to be placed below 400mm from the ground, there are a number of practices in addition to the above mentioned requirements, which may assist the performance of the product in this application.

- Excellent drainage is required and Parkside recommends the use of a plastic membrane on the surface below the deck to assist drainage and the prevention of pooling of moisture.
- 8mm gap between decking boards for residential decks that are installed below 400mm above ground.

Fixings

Before fixing and for maximum serviceability and protection against weathering, Parkside Decking should be fully sealed as per specifications previously mentioned.

All bolts, screws, framing anchors and other hardware are required to be hot tip galvanised or stainless steel. Electroplated fasteners are not suitable due to the early breakdown of the plating.

The table below demonstrates the nail size for fixing the deck. Each board 65mm and over should be fixed at every joint crossing with 2 nails. Nails should be located at least 12mm from the board edges. Due to the density of Parkside's decking products, Parkside recommends predrilling before installing nails.

When bullet head nails are used they should be driven flush with the surface. Do not punch and fill. Fixings within 1m of a pool or moist area should be stainless steel or monel metal.

Product	Parkside Decking products (all species)
Grade	Standard and Better or Select Grade
Thickness	19mm
Max Joist Span	450mm
Nailing Requirements	50 x 2.8 Galv Bullet Head or 50 x 2.8 Galv Dome Head Machine Driven

Maintenance of a Parkside Deck

The long term performance and integrity of a Parkside Deck is dependent on the consistent maintenance and care of the product. Regular and effective maintenance is key especially when the product is exposed to weather or harsh surrounding conditions. The frequency of maintenance is dependent on the type and quality of product used and the weather exposure of the deck. Please follow the maintenance product manufacturer's recommendations guide for minimum maintenance required.

Before recoating, the deck, and gaps between the boards should be thoroughly cleaned, especially over the joist areas (areas where debris may build). Recoating should be carried out in accordance with the coating manufacturer's recommendations.

Parkside suggests that the storage of pot plants and landscape structures direct on a deck is avoided. It is recommended these items are placed in drip dry trays and in good ventilation areas. Where possible decks should be broom/blower cleaned rather than cleaned by hosing.

Coating and Oil Recommendations

As previously mentioned any application of coatings should be applied in accordance with the manufactures recommendations. In addition to this, Parkside recommend oil based products with mould inhibitors, preferably light coloured pigments, and the oil contains as a minimum –

- 10% copper naphthenate in a light organic solvent
- 20% zinc naphthenate in a light organic solvent
- All sides of the board covered before installation
- End sealing when boards are cut, pre-installation



Feel free to contact Parkside Timber

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