

## **RADIAL TIMBER PRODUCT SPECIFICATIONS** *REV: Sep09 1.0*

### **Decking – 19mm NEW DECK™**

#### **1.0 PRODUCT**

Radially sawn NEW DECK™ is a totally new concept in Australian hardwood decking. NEW DECK™ is profiled from back sawn bevelled edge boards and incorporates a number of exciting new features which includes a domed upper face for shedding water. Radially back sawn boards can be identified by the alignment of growth rings, which are basically parallel to the broad face of the board. NEW DECK™ is supplied seasoned (ie. dry) and is available in a range of widths.

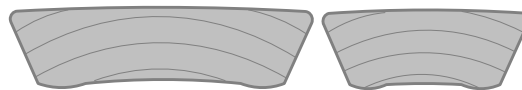
#### **2.0 SPECIFICATIONS**

##### **2.1. Species:**

NEW DECK™ boards are typically sawn from naturally durable regrowth hardwoods such as Silvertop Ash, Southern Mahogany or Yellow Stringybark (ie. Class 2 durability). Other species (including Class 1 durability) may also be available on request. Both Class 1 & 2 timbers are deemed suitable for use as decking in Australian Standard AS 080-1693.

Silvertop Ash has a greater tendency for expansion and contraction when exposed to the weather and elements. Because of this, it is very important to allow recommended spacing between boards to avoid issues when timber swells due to increased moisture content. Some surface checking may occur if timber is exposed to the weather and these non structural cracks that are typical in most Australian hardwoods are more prominent in Silvertop Ash.

##### **2.2. Sketch/Sections:**



**Figure 1**  
(NEW DECK boards in cross section)

##### **2.3. Profiles:**

NEW DECK™ boards are 19mm thick and typically supplied in a smooth dressed and seasoned (ie. dry) width of 80mm. A narrower 55mm or wider 100mm profile may also be available on request. The main features of all NEW DECK™ boards are:

- ◆ a domed upper face designed to shed water
- ◆ sloping sides to prevent debris build
- ◆ concave lower faces to reduce contact with the joist and thus reduce the likelihood of moisture being trapped

## 2.4. Lengths & Availability:

NEW DECK™ is generally kept in stock. Boards are supplied in random lengths of between 2.4 and 5.4m but some shorter lengths may also be included (av. lengths approx. 3 to 4m but wider profiles will contain more shorts). Short packs containing lengths between 1.8m and 2.4m are available on request. Set length boards may be available in limited quantities as a special request (a 25% surcharge is applicable to all set length orders).

### Engineered Set Lengths (ESL)

Engineered Set Lengths are finger joined boards produced to specified lengths, and are held in stock lengths of 5.4m when shorts are available from the mill. Special length ESL orders will only be available as supply allows, and availability should be checked at least 12 weeks prior to order.

## 3.0 FIXING & APPLICATIONS

### 3.1. Fixing Recommendations:

**Setting up:** NEW DECK™ is laid wide face up. Gaps should be left between boards to allow for swelling during wet weather. The amount of swelling (or shrinkage) will vary depending on the width of the board, the species of timber and local climatic conditions. Joists should be spaced at max. 450mm centres.

**Installation:** For most “typical” installations, the following spacing guide should be followed but also consult *Radial Timber Sales* for site specific recommendations (eg. in areas subject to high moisture such as south facing decks or in bush settings, it may be advisable to increase the spacing between boards to allow for additional swelling):

- ◆ NEW DECK 55 4 to 5mm gaps between boards
- ◆ NEW DECK 80 5 to 6mm gaps between boards
- ◆ NEW DECK 100 6 to 7mm gaps between boards

**Fixings:** NEW DECK™ can be gun or hand nailed with 50mm long galvanised or stainless steel “twisted shank” nails but care should be taken close to ends to avoid splitting (pre-drill all holes if hand nailing). NEW DECK 55 can be fixed with one nail per board per joist, however, two nails at butt joints or ends is advisable (position nails in the centre of boards). NEW DECK 80 & 100 should be fixed with 2 nails per board per joist (position nails approx. 20mm in from edge of board).

**Seasoning & Storage:** Some surface checking may occur if timber is exposed to the weather but these non structural cracks are typical in most Australian hardwoods. It is also normal for hardwoods to leach red/brown extractives during heavy rain periods. Extractives tend to be less prominent in lighter species but it is advisable to cover or protect walls and paving until all extractives have leached (can vary depending on rainfall but will generally continue for up to 6 months). Packs should be stored up off the ground and under cover or protected with an additional tarp to prevent swelling. If wetting does occur, allow a min. of 24 hours for timber to dry before fixing.



12 Park Drive Dandenong Sth VIC 3175  
Ph: (03) 9768 2100  
Fax: (03) 9768 2177  
Web: [www.radialtimbers.com.au](http://www.radialtimbers.com.au)

### 3.2. Suggested Applications:

NEW DECK™ is a stylish alternative to traditional decking and has been used in: houses, apartments, visitor centres, restaurants, parks, screens and fences.  
*For images of NEW DECK visit: [www.radialtimbers.com.au](http://www.radialtimbers.com.au)*

## 4.0 FINISHING

All exposed, externally fixed decking will tend to fade to a silver grey colour if left uncoated. The degree of greying will vary depending on the amount of exposure to sun, wind and rain. The timber used in this above ground product has natural durability and when used in conjunction with good building practices, should generally not require additional treatment against decay.

Native timbers should be offered some weather protection while acclimatising to local conditions. Radial Timber recommends the application of an oil based sealer or decking finish on external timber (especially if being fixed during extreme weather conditions). There are a variety of treatments, stains and coatings available and most can be applied prior to or shortly after fixing. For more detailed information, please refer to Radial Timber "Finishing Recommendations" at: [www.radialtimbers.com.au](http://www.radialtimbers.com.au) or phone: 03 9768 2100.