

RADIAL TIMBER PRODUCT SPECIFICATIONS *REV: Jan2006 1.0*

Internal Lining – 12mm T&G or Shiplap Panelling

1.0 PRODUCT

Radially sawn Panelling provides a stylish and knot free alternative to traditional softwood or manufactured lining systems. Radial Panelling is profiled from back sawn bevelled edge boards that join to produce a continuous vertical or horizontal lining system. Radially back sawn boards can be identified by the alignment of growth rings, which are basically parallel to the broad face of the board. Internal 12mm Panelling is supplied kiln dried and is available in a variety of widths that can be machined in either T&G or basic Shiplap profiles.

2.0 SPECIFICATIONS

2.1. Species:

Internal Panelling boards are generally sawn from regrowth or plantation grown hardwoods such as Silvertop Ash or Blue Gum (Class 2 - 3 durability). Other hardwood species may be available as a special request.

2.2. Sketch/Sections:



Figure 1
(T&G Internal Panelling in cross section)

2.3. Profiles:

Internal Panelling is typically supplied kiln dried as a series of 12mm thick boards with either T&G joints (see Figure 1 above) or in an overlapping Shiplap profile (see External Cladding – Shiplap). Standard widths generally range from 75 to 130mm and other profiles may be available from *Radial Timber Sales* as a special request (set up surcharges may be applicable).

2.4. Lengths & Availability:

Only limited amounts of Internal Panelling boards are generally kept in stock (NOTE: up to 12 weeks lead time may be required on large orders). Boards are supplied in random lengths of between 2.1 and 5.4m but some shorter lengths may be included (av. lengths approx. 3 to 4m but wider profiles will contain more shorts). Short length packs with lengths ranging from 1.8 to 2.4m are available on request. Set lengths may be available from *Radial Timber Sales Pty Ltd* as a special request (a 20% surcharge will be applicable).

3.0 FIXING & APPLICATIONS

3.1. Fixing Recommendations:

Setting up & Acclimatisation: Internal Panelling boards are typically fixed in a regular pattern with the tongues and grooves or rebates of adjacent boards being fitted together (ie. depending on whether T&G or Shiplap profile). It is important to remember that kiln dried timber may be affected by on site atmospheric conditions and therefore, it is important to acclimatise lining boards to local conditions by laying them out in the location where they are to be fixed for up to 14 days. (NOTE: excessive heat or moisture may result in subsequent shrinking or swelling). It is important that the location is well ventilated so air is able to circulate around each board during the acclimatisation process (poor ventilation, extreme or abnormal climate conditions may result in the need for longer acclimatisation). A moisture metre can be used to test that the timber has reached equilibrium with the “normal” moisture content of the room.

Installation: If being fixed vertically as a wall lining, noggings should be at max. 600mm centres and it may be best to order boards in set lengths (especially if there are few window and door openings). If being fixed as a ceiling or eaves lining, we recommend that joists/battens be spaced at 450 to 500mm centres to reduce sag.

Fixings: Boards can be hand or gun nailed but care should be taken close to the ends to avoid splitting (pre-drilling prior to nailing may be necessary). If linings are internal, nails or fixing brads should be approx. 40mm long and do not have to be coated. Do not nail or fasten boards together through the overlapped part of the lining (ie. boards should be fixed independently of one another to allow for some movement).

Storage: If being stored outside, packs of Panelling should be suitably covered to prevent wetting and water staining. If wetting does occur, timber should be allowed to air dry before commencing acclimatisation period (a timber cleaner may be required to remove any water stains).

3.2. Suggested Applications:

Internal T&G boards have been used to line ceilings, walls or eaves in: houses, apartments, visitor centres, wineries & restaurants.

For images of Internal Panelling boards visit: www.radialtimber.com

4.0 FINISHING

Internal timber linings can be left natural or finished with a variety of stains or varnishes. It is normal for timber to darken in colour if exposed to direct sunlight or once a finish has been applied. The degree of finishing depends largely on personal preference but best results are typically achieved by using the services of a professional tradesman.

There are many different types of finish but we typically recommend natural oil based stains or water based finishes. Before the application of any finish, it is important to putty all nail holes and give the timber lining a light sand to remove any marks or minor blemishes. All finishes should be applied strictly in accordance with the manufacturer's



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instructions. For more detailed information, please refer to Radial Timber “Finishing Recommendations” at: www.radialtimber.com or phone: 03 9768 2100).