



T&G FLOORING

A genuine solid hardwood floor has long lasting value that reflects the beauty of nature which cannot be imitated. Some of the benefits of a solid hardwood floor are hygienic, environmentally friendly, durable, easy to install and easily maintained. We can offer a great selection of NZ, Australian, USA and European hardwoods. Oak dominates the selection and market.

Hardwood T&G Flooring requires careful attention in installation. We recommend using a professional floor layer. **A list of floor layers we recommend is on our web site as a download.** The ATFA offers a great resource of trade information and help. We belong as an associate member www.attfa.com.au



Rosewood laid by Freedom Flooring



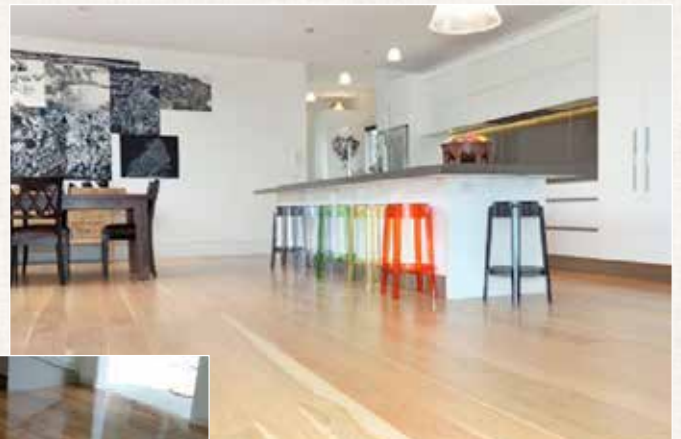
Tasmanian Oak laid by Freedom Flooring



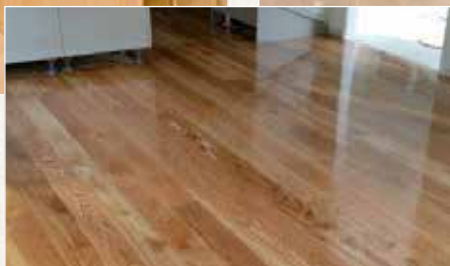
White Oak laid by The Flooring Centre



Maple laid by Freedom Flooring



Oak laid by Freedom Flooring



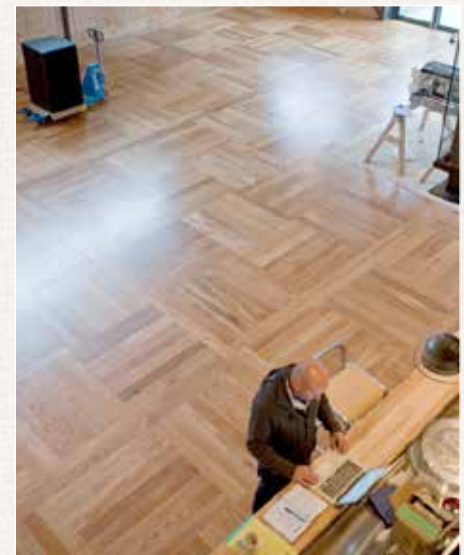
White Oak laid by Garnet Campbell



Jarrah laid by Freedom Flooring



White Oak laid by Timber Floor Solutions for Coastal Builders



Parquet laid by James Henry Flooring

**TIMSPEC
AUCKLAND**

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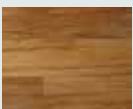









www.timspec.co.nz

T&G FLOORING

Below are the species and sizes we have available.

Note: We run a large range of other sizes and species to order.

Species	Photograph (indicative only)	Grade	Nominal Size:							
			100x16	100x25	125x25	150x25	175x25	200x25	225x25	250x25
<small>FSC Certified</small> Cherry Beech <small>Maple, Beech also available</small>		Dressing A	Avail. on request	Avail. on request		Avail. on request				
Matai, Heart		Heart Dressing A		Stocked		Stocked				
Pilularis		Select Heart	Stocked	Stocked	Stocked		Stocked			
Rimu, Heart		Dressing A		Machined to order		Machined to order				
Saligna		Select Heart	Machined to order	Machined to order		Machined to order				
Spotted Gum		Select	Machined to order	Machined to order		Machined to order				
Kwila (Merbau)		Select	Stocked	Stocked		Stocked				
Rosewood		Select		Machined to order		Machined to order				
Maple, USA		Prime				Stocked				
Oak, USA White		Prime			Stocked	Stocked	Stocked	Stocked		
Oak, USA White		Antique				Stocked	Stocked	Stocked		

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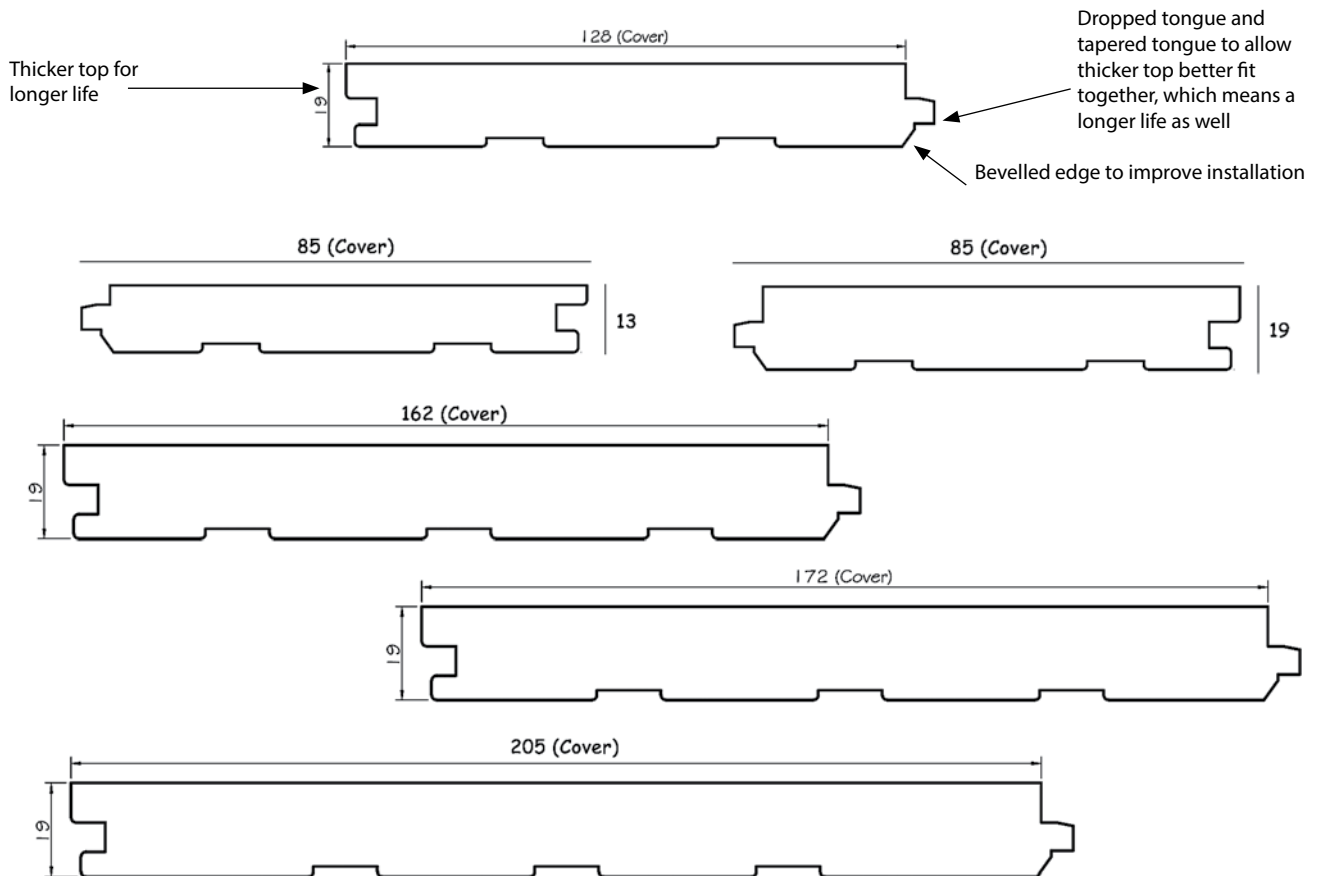
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Oak, USA White		Rustic			Stocked	Stocked	Stocked	Stocked	Stocked	
Walnut, USA Black						Machined to order				
Jarrah		Prime	Stocked	Stocked		Stocked				
Australian Oak (End Matched)		Select	Stocked	Stocked	Stocked					



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T&G FLOORING INSTALLATION

Timber is a natural material which will move in response to changes in the relative humidity of the air. Installing timber T&G flooring following these guidelines will minimise the risk of a disappointment in the floor due to excessive movement.

Where timber is subjected to extreme conditions, the effect of the movement may become obvious.

DESIGN

- Do Not** Specify pre-laying of timber strip floor
- Do Not** exceed the maximum joist spacing for the timber flooring thickness (refer NZS 3604)
- Do Not** expose timber to excessive levels of UV Light. Timber requires protection from UV light (i.e. draw curtains, use tinted glass or use UV filters on glass window to protect from sunlight).
- Check** the intended moisture content is applicable for the situation (i.e. underfoot heating requires 7-8% M.C.)

ORDERING

- Do** order the timber to be delivered at a moisture content as close as possible to the expected in-use moisture content – typical installation moisture contents for residential buildings is 10 to 14% intermittently heated buildings and 8-10% in air conditioned buildings but room orientation, insulation or heating provided and window size will influence the in-service moisture content. Achieving a moisture content below 10-12% is difficult with current kiln drying and further conditioning (drying) under the expected environmental conditions may be required. Most US sourced hardwood has a 7-9% moisture content - so very dry.
- Do** programme deliveries to have a timber delivered just before it is required (reminder to allow for conditional time).

DELIVERY AND STORAGE

- Do** check moisture content on delivery
- Do** condition timber by strip stacking in a space which has the correct in-use moisture conditions (for timber way outside expected moisture air drying may not be sufficient).
- Do** stack timber clear of the floor on a level surface within a dry weatherproof space.
- Do Not** stack the timber over a concrete slab which has a moisture content of more than 70%.

GENERAL INSTALLATION

- Do Not** pre-lay timber strip flooring.
- Do** have the building completely closed in before laying flooring.
- Do** check moisture content of sub structure and the flooring before laying.
- Do** handle boards carefully.
- Do** leave a 10mm gap around the perimeter of the timber floor to accommodate movement.
- Do** cramp the boards.
- Do** protect the edge of the timber when cramping.
- Do** undercut end joints when butt jointing.
- Do** make end joints over support unless boards have a T & G end jointing/end matching system.
- Do** seal all edges, ends and faces of the timber flooring boards before installation.

ADHERING DIRECTLY OVER CONCRETE

- Do** level the floor by grinding/filling if the concrete floor does not meet the 3mm in 3m levelness criteria.
- Do Not** lay the flooring if the concrete floor moisture reading using a hydrometer exceeds 70%.
- Do** follow the recommendations for adhesive fixing that follow.

INSTALLATION OVER JOISTS OR BATTENS OVER CONCRETE OR OVER FIRST FLOOR JOISTS

- Do** level the framing before laying.
- Do** securely fix the battens/joists to the concrete.
- Do Not** install flooring if the timber joists have a moisture content outside the range of 10-14% in intermittently heated buildings or 8-12% for air-conditioned buildings – ideally use kiln dried timber.

ADHESIVE FIXING

- Do** use an adhesive specially designed for fixing timber to concrete or timber to timber. We favour a rigid set glue.
- Do** press the timber firmly into the adhesive.
- Do** weight the floor until the adhesive is fully cured.
- Do** use nails in conjunction with adhesive when fixing to timber.
- Do Not** use water based adhesives.

NAIL FIXING

- Do** face nails using annularly grooved nails with a length of 2.5 times the finished board thickness.
- Do** use double nailing on boards wider than 75mm.
- Do Not** fix boards immediately adjacent to the cramps.
- Do** nail away from the cramps (from the board once removed from the cramp to the last board fixed)
- Do** keep the floor weighted when nailing to allow boards to be fitted to the joists.
- Do** punch nail below the surface.
- Do Not** secret nail timber profiles wider than 85mm, wide profiles must be top nailed.

FINISHING

- The use of acrylic urethane is not recommended, especially on dark coloured woods (eg. Kwila & Jarrah).**
- Do Not** sand the floor until all work over the floor has been completed. Do fill all nail holes after first sealer coat has been applied.

We would recommend that Merchants and/or Builders seek the latest advice from BRANZ on 0800 80 80 85 or via their website at: www.branz.co.nz for correct installation information.