



JSC Timber offers a wide variety of Hardwood decking solutions to meet both residential and commercial applications.

No other decking material, natural or man-made, can match the lasting beauty and sheer durability of solid hardwood.

A JSC Timber solid hardwood deck made from renewable natural resources is not only an architectural link between the landscape and the built environment; it adds value to your home and uses one of the world's only truly renewable resources.

"TIMBER IS ONE OF THE WORLD'S FEW TRULY RENEWABLE NATURAL RESOURCES"

PRODUCT RANGE AND SPECIFICATION

JSC Timber stock a wide range of exotic hardwoods. Our species include:

Specie	Dried	Durability	Finish & Sizes	Certification
Garapa	Kiln	Class 2	Smooth	FSC®
Iroko	Air	Class 1-2	Smooth/ Drydek	FSC® and VLO
Kwila	Kiln	Class 2	Grip Thread/ Smooth	FSC®
Vitex	Air	Class 2	Smooth/ Drydek	Community Timber
Cumaru	Kiln	Class 1	Smooth	FSC®

NB: More species and custom sizes are available on request
TechInfo@jsctimber.co.nz

STORAGE AND HANDLING

Pre-drilling and countersinking are essential to avoid end splits. Decking should be kept dry and out of the weather until installation. On site each pack should be kept off the ground by placing it on dry, clean bearers and covered to protect from sun and rain.

INSTALLATION

Span

Decking 19mm thick should be installed at maximum 450mm joist centres. For 32mm thick decking this can be increased up to 600mm joist centres. Given that Radiata pine joists are softwood, the joists should be clean and sound. The screws should penetrate at least 45mm into the joists to achieve good holding.

Spacing

In average New Zealand climatic conditions, KD decking will expand slightly whereas the air dried decking will shrink. KD (i.e. 18% moisture content) decking will need extra spacing or gaps, to allow for expansion as the decking takes in ambient moisture.

For KD decking, we recommend that 90x19mm be spaced 4mm apart and 140x19mm be spaced 6mm apart.

For Air Dry decking the gap can be reduced to 3mm for 90x19 and is 4mm for 140x19mm.

The specified gap will allow the deck to drain and allow air circulation under and around the decking.

NB: These are recommendations only. An allowance for regional climate conditions should also be factored in.

Ventilation

Free air circulation under the decking is very important to help minimise cupping and warping. Proper ventilation ensures the potential difference in moisture levels between the top face and the underside of the board is reduced and extends the life and performance of the deck.

The sub deck should have at least 450mm clearance from the ground. This in conjunction with suitable spacing, will allow for adequate ventilation. In wet areas or over water, additional clearance is recommended. Failure to provide for suitable ventilation is a major cause of early decking failure.

Other steps that can be taken to minimise moisture differential are:

1. A ground level vapour barrier (with slit drainage).
2. A suitable surface coating on all four sides of the decking boards (refer coating section).

It is important that the perimeter of the deck is not fully enclosed by a surround and remains open to airflow. Completely enclosing the sides of the deck will inhibit proper ventilation and compromise the performance of the decking.

End sealing

End sealing will help minimise splitting and checking at the ends of the boards. We recommend the boards be end-sealed with a quality penetrating oil as soon as possible after cutting and before final installation.

Coating

In order to minimise surface checking, cupping and discolouration we recommend decking to be coated on all four sides. This will slow moisture transference into and out of the wood, thus maintaining more even moisture content through the piece. Face coating on installed uncoiled decking will promote cupping and movement. Proper coatings can vastly decrease the maintenance required on your decking.

NB: Boards should be free of all surface marks and stains before coating. We recommend that a “clear” decking oil is used. Clear oil coating won’t prevent decking from silvering/greying-off.

Fastening

JSC Timber firmly advocates that all hardwood decks are face fixed with screws. Screws are essential for 140x19 decking. We recommend JSC stainless steel screws 12x65mm through the pre-drilled and countersunk face of each board, two per joist, 20 mm from the ends and edges. Care should be taken not to over-drive screws. Do not use self-drilling screws or screws with small heads. *Screws and countersink tools available from JSC Timber.

MAINTENANCE

Cleaning & Washing

Hardwood decks should be cleaned with a stiff brush at least once a year to clear gaps and remove surface mould which can be a slip hazard in wet weather. It is also important for the life of the deck to keep it clear of leaf litter; moving pot plants or other large objects that may hold moisture to the top of the deck.

Washing/brushing the deck down with a mild solution of janola and water (1:16), or suitable equivalent, will remove any build-up of resin or extractives that may leach out of the timber as the pieces season in situ. There are also various chemical cleaning agents available, from detergents through to acids. Follow manufacturer’s instructions and be conscious of the run off. The amount of run off will depend on the specie, how dry it is before the decking is laid and how exposed the deck is to the weather. Vitex run-off is water soluble.

Re-coating

Always follow the manufacturer’s specification for re-coating.

DISCLAIMER

JSC’s Hardwood Decking is manufactured with care and inspected to ensure quality, it is a natural wood product and subject to variations in weight, density, colour, grain and performance. Care must be taken at all times. Some swelling, shrinkage, movement and checking are normal occurrences in timber decking.

NB: At this time, JSC Timber does not endorse the use of hidden fixing systems with this product.

CONTACT US

Auckland

22 Sawmill Road
Riverhead
Phone: +64 9 418 2810
Email: TechInfo@jsctimber.co.nz

Christchurch

72 Hammersmith Drive
Wigram
Phone: +64 3 348 9726