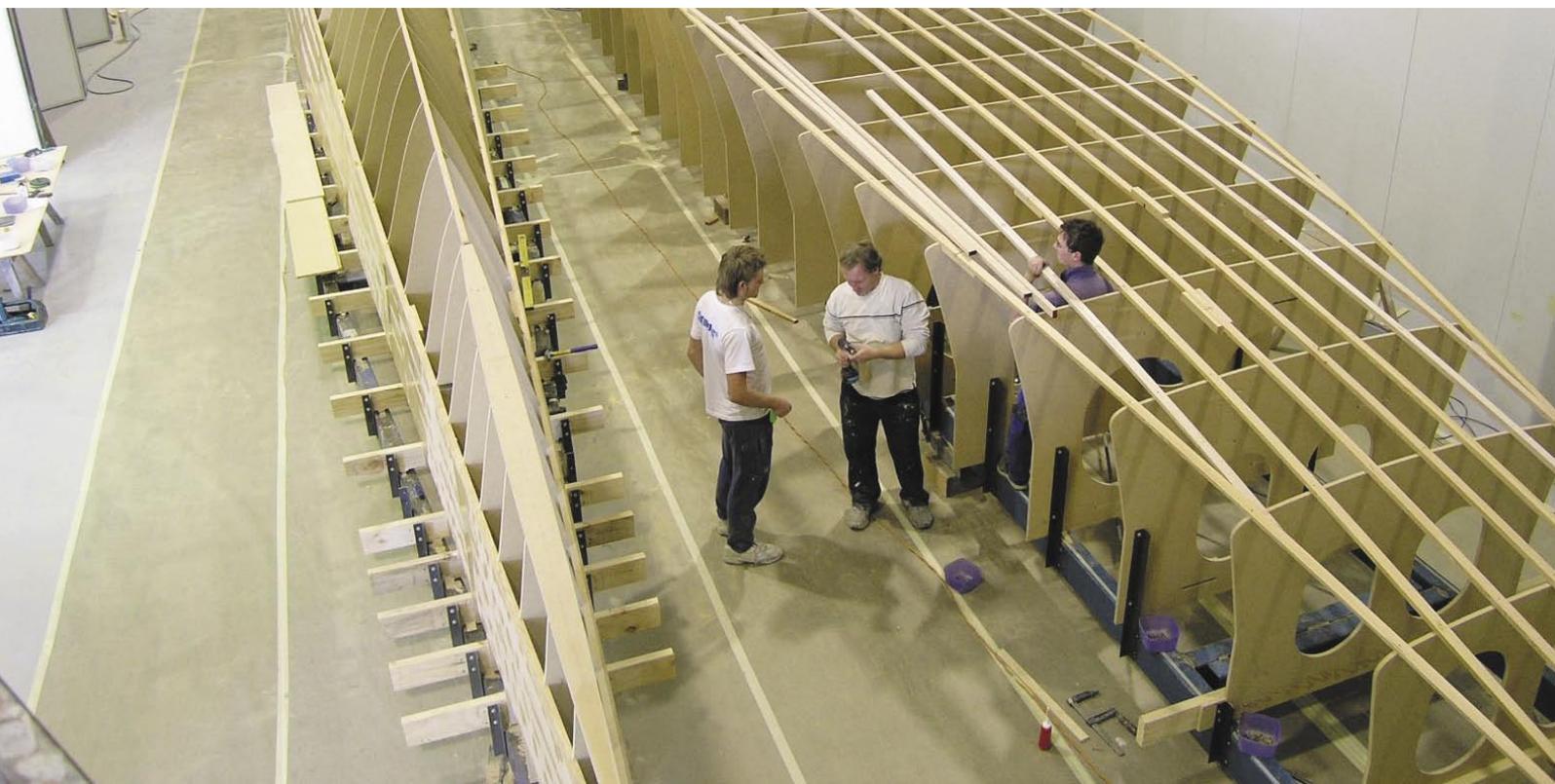




KIRI MARINE TIMBER AND ITS USES





PROPERTIES OF THE TIMBER

WEIGHT AND QUALITY

The strength-to-weight ratio of Kiri timber is higher than other equivalent species and is suitable for several uses where a soft but relatively high strength wood is required.

STABILITY

Longitudinal and tangential shrinkage of Kiri timber is less than other commonly used coniferous and broad-leaved timbers.

INSULATING PROPERTIES

The thermal conductivity of Kiri is among the lowest values recorded for timber, resulting in its high insulation properties.

DURABILITY AND ROT RESISTANCE

Work carried out by the Queensland Forestry Research Institute on accelerated in ground durability trials has shown that the heartwood of Kiri lasted at half the rate of non-durable pine sapwood.

SEASONING

Upon felling the moisture content of Kiri wood is very high, averaging 188%. However, the timber air dries to 12% over a relatively short period of time, dependent on temperature and humidity conditions, without the need for kiln

drying, representing cost savings to timber processors.

MACHINABILITY

Kiri timber is very easy on machine tools, with its overall performance in manufacture being dependent on its grading.

COLOUR AND GRAIN

When dried and machined, Kiri is odourless, light to honey coloured, straight grained with a silky, satin appearance.

Species	Density (kg per m ³)	Hardness (kN)	Ignition Temperature
Kiri	260	0.5	425°C
Jarrah	820	8.5	425°C
Marri	850	7.1	-
Karri	900	9	-
Radiata Pine	500	3.3	265°C
Western Red Cedar	336	1.5	260°C
Meranti (Light red)	575	2.6	-
Teak	750	4.5	-
Douglas-fir	520	3.2	-



KIRI MARINE TIMBER USES

LINING BOARDS

Perfect for alfresco ceilings, eaves and walls.

MOULDINGS

The lightweight, light consistent colour and good gluing qualities of Kiri timber make it ideally suited to the production of mouldings.

Great for skirtings, picture frames and door frames.

STRIP PLANKING

Premium *Kiri Marine Timber*™ used in boat hull construction.

SHUTTERS AND VENETIAN BLINDS

The lightweight nature of Kiri is well suited for window applications. Kiri has a tremendous ability to take added colour to the wood and keep the consistency of colour.

MARINE, AVIATION AND CARAVAN INTERIORS

The internal fit-outs of boats, caravans and mobile homes is very weight sensitive. Kiri is ideal due to its lightweight and strength-to-weight ratio. Aesthetically also, Kiri offers significant advantages over wood products used for cabinetry and other fittings.

KIRI GRADING SYSTEM

Grades	Uses
AA	High grade sliced veneers, shutter and venetian blind slats for natural finish, and special mouldings
A	Sliced veneers, shutter and venetian blind slats for painting, edge strips and mouldings
B	Rotary cut veneers, core stock for lamipanel, mouldings
C	Core stock for doors, rotary cut veneer; plywood and lining boards
D	Core stock for surf boards, boat building core, caravan core, strip planking centre core for laminated beams, spare veneer; plywood and densified product
E	Core stock, and spare veneer; oriented strand board (OSB)

DOORS & DOOR CORES

The advantages of using Kiri as the core of a door include its light weight, making installation easier; and its thermal conductivity and the high ignition point improving the fire rating of the construction.

Doors with a Kiri core can take on any appearance using high quality hardwood or softwood veneers, or pre-finished thin MDF for the smooth finish required on a painted door. Or doors can be stained and varnished directly to quality Kiri.



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HIGHPOINT TIMBERS