



KIRI

PANELLING &
MOULDINGS





BRIGHTEN YOUR HOME WITH KIRI PANELLING & MOULDING

RESISTANCE TO DECAY

Kiri timber has high resistance to insect damage and rot. Research carried out by the Queensland Forestry Research Institute confirms that the timber is unaffected by termites.

DIMENSIONAL STABILITY

Kiri timber has excellent dimensional stability because of the low wood density and low shrinkage factor. This property contributes to Kiri's suitability for use in panelling, mouldings and a number of other uses where dimensional stability and water repellency is important.

THERMAL AND INSULATING PROPERTIES

Kiri has excellent insulation value because of its low wood density. It is a better insulator than most commonly available timbers use in panelling and is far superior to brick, concrete or steel. Kiri's ability to dampen vibrations is an important acoustical property which makes it particularly effective as panelling and moulding where it is desirable to reduce or confine noise.

COMBUSTIBILITY

Kiri timber has one of the highest auto ignition temperatures in the world for any timber at over 450 degrees Celsius. This property helps to retard fire spreading. Kiri has a flame

spreading rate that is considerably below the maximum limits set by most building codes.

FINISHING AND WORKABILITY

The lack of pitch or resinous extractives that are soluble in paint vehicles contributes to Kiri's good finishing properties. Kiri takes a variety of coatings, paints and stains exceptionally well, particularly when dried and properly primed. Kiri is among the easiest timbers to work with because of its straight grain and uniform texture. It planes and sands cleanly and, because of its low wood density requires little energy to saw or otherwise work. Kiri also glues well with a wide range of adhesives and gluing conditions.

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



KIRI PANELING & MOULDINGS COME IN A SPECTRUM OF PATTERNS & GRADES

Manufacturers of Kiri panelling and mouldings offer a wide variety of patterns, many of which are custom produced to suit the specific needs of your project. These products can be used for interior and exterior applications and installed horizontally, vertically or a mixture of both.

Kiri panelling and mouldings are available in Clear or Knotty grade categories. Clear grades, typically supplied with a smooth finish are suitable for a more formal, elegant appearance, particularly when pieces are smooth faced. Knotty grades are supplied with a rough or smooth texture and are popular for their smart, casual look. Many manufacturers will offer their own customised grades. Check with your supplier to ensure that you understand these specifications and that the grade you select will suit your needs. Alternatively you can use the following popular industry standards as a guide.

CLEAR GRADE

Clear Grade is the highest quality of Kiri panelling available. It includes pieces with heartwood on exposed faces. Most pieces are completely clear and free of imperfections. The grade allows only minor imperfections that do not detract from the overall fine appearance. Most manufacturers will offer this grade with 100% vertical grain.

A GRADE

A Grade permits slightly more imperfections than Clear Grade but the grade is still restricted to pieces with excellent overall performance. It is ideally suited to applications where clear appearance is desired but requirements are somewhat less exacting. Typically, panelling of this grade if offered by manufacturers such as A & Better with a certain percentage of lower grade B.

SELECT KNOTTY

The highest standard of knotty panelling and moulding. This grade offers a distinctive, high quality knotty appearance. It has limited imperfections and restricts knots to sound and tight. Select Knotty is offered with a percentage of quality knots.

QUALITY KNOTTY

Quality Knotty is a lower grade of knotty panelling that is typically not sold on its own but combined with Select Knotty. In this grade natural growth characteristics are not as stringently limited and a cut out is permitted. Cross cutting may be required on some pieces to yield tight and knotted panelling.

Whatever grade or pattern of Kiri panelling or moulding you select, it will brighten and add to the beauty and performance to your project that cannot be matched by other species or man made alternatives.



HIGHPOINT TIMBERS

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