

# Cannes Ltd.

Product No. 036

## Decking - Merbau

### Merbau

#### PHYSICAL PROPERTIES

Specific gravity	0.84 (0.63 - 1.04) g/cm <sup>3</sup>
Strength class	II
Shrinkage to oven-dry condition	3.3% (Radial) and 4.1% (Tangential).
Fibre Saturation Point	24%

#### MECHANICAL PROPERTIES

Bending strength	115 mPa
Modulus of elasticity	15440 mPa
Crushing strength	74 mPa

Note: at 12% moisture content

#### DURABILITY AND TREATABILITY

Durability	Fungi - Class 1 - 2 - Very Durable to Durable Dry Wood Borers - Heartwood durable Termites - Class D - Durable
Treatability	Merbau wood is difficult to treat

#### DRYING

	Merbau wood can be dried satisfactorily without incurring significant defect.
Air Seasoning	Seasoning of 2.5 cm thick I. palembanica boards up to air-dry condition and humidity 15% takes 82 days respectively.
Kiln Drying	Recommended drying temperature and relative humidity are 43-71C and 83-38%.

#### WORKING PROPERTIES

#### USES

Sawing/Machining; Sawing is difficult as wood clogs saw teeth and dulls cutting edges; carbide tooling recommended. Sanding: Sands satisfactorily. Nailing: Good holding ability. Finishing: Wood stains black in contact with ferrous metals or moisture. Merbau wood is mainly used for flooring, furniture, paneling, fine joinery, decorative turnery, cabinetmaking, musical instruments, and specialty items. The wood is also a dye source.