

# Cannes Ltd.

Product No. 034

## Decking - Balau

### Balau

#### PHYSICAL PROPERTIES

Specific gravity	0.91 (0.60 - 1.16) g/cm <sup>3</sup>
Strength class	I – II
Shrinkage to oven-dry condition	4.5 % ( R ) and 8.3 % ( T )
Fibre Saturation Point	23%

#### MECHANICAL PROPERTIES

Bending strength	150 mPa
Modulus of elasticity	22940 mPa
Crushing strength	85 mPa

Note: at 12% moisture content

#### DURABILITY AND TREATABILITY

Durability	Fungi - Class 2 – Durable Dry Wood Borers - Heartwood durable Termites - Class D - Durable
Treatability	Balau wood is difficult to treat.

#### DRYING

2.5 cm and 4 cm thick Balau boards are kiln dried from 50% to 15% in respectively 6 and 9 days in a drying temperature of 43 degrees Centigrade to 71 degrees Centigrade and a relative humidity of 84% to 38%. Balau wood is difficult to dry as it easily splits, checks, and deforms.

Air Seasoning

Kiln Drying

#### WORKING PROPERTIES

Despite its hardness, Balau is not so difficult to work, e.g., with hardened tipped saws or it can be planed smoothly with small cutting angle. Holes should be drilled before nailing to prevent splitting.

#### USES

Due to its high strength and durability,- Balau wood is used for heavy construction under roof as well as in the open, such as bridges, railway sleepers, electric poles, flooring, marine construction, boat building, vehicular bodywork and housing.