

BRIDGES ♦ BOARDWALKS ♦ JETTIES

SPECIES	Bangkirai
FAMILY	Dipterocarpaceae
LATIN NAME	Shorea Laevifolia
DISTRIBUTION	Malaysia, Indonesia



USES

Due to its high strength and durability,- bangkirai 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.

GENERAL DESCRIPTION

There is little distinction by colour between sapwood and heartwood which is a pale golden-brown. The grain is interlocked, and the texture is medium to fine. The weight varies from 800 to 980 kg/m³ when dried, the lighter weight occurring in the centre of large, over mature logs.

MECHANICAL PROPERTIES

Bangkirai compares favourably with jarrah, but is slightly more elastic. Although hard and heavy, the timber works reasonably well but with fairly severe blunting of normal cutting edges. A smooth surface can be obtained in planing and moulding when cutting angles are reduced to 20 deg.

SEASONING

The wood dries without serious degrade, but there is a distinct tendency for surface checks and end splitting to develop, and a slight tendency for bowing and twisting to occur.

DURABILITY 1

Durable to very durable

DURABILITY 2

Strength Class	D40
Weight per m ³ 12% m.c.	800- 980 Kg
Modulus of elasticity 12% m.c.	10800 N/mm ²
Durability	Durable to very durable