

## **I-Deck: Pre-Fabricated Fencing Panels.**

### **About Bangkirai:**

**Botanical Name:** Shorea spp.

**Family:** Dipterocarpaceae.

### **Tree description and natural occurrence:**

A group of the denser Shorea hardwoods of Malaysia, Indonesia and the Philippines. Medium to large hardwoods with a straight cylindrical bole between 30 and 50m long, trunk diameters to over 6ft. iConnect material is procured in Indonesia.

### **General Characteristics:**

Heartwood yellowish brown, sapwood distinctly paler; Texture moderately fine to slightly coarse; grain typically interlocked; without characteristic odour or taste; end cut generally shiny; shows a degree of luster on a dressed surface.

### **Wood Properties:**

**Density.** Air dried density (ADD) 1100 kg/m<sup>3</sup>.

**Strength Group.** S2 (strength group for green timber) and SD3 (strength group for seasoned timber.)

**Stress Grade.** F8 (unseasoned) and F14 (seasoned), when visually stress graded in accordance with AS2082-2000. "Visually stress graded hardwood for structural purposes".

**Durability.** Class 2, Durable. A life of between 15 and 20 years in the ground, highly resistant to decay when fully exposed to the weather.

**Working Properties:** Rather difficult to machine because of high density; saws cleanly; dresses to a smooth finish, satisfactory in relation to painting, staining and polishing; only moderate blunting of cutters; wood should be pre-drilled for nailing.

**Uses:**

**Engineering.** Heavy engineering, wharfage, sleepers.

**Construction.** Framing, flooring, decking, linings, joinery, fencing.

**Decorative.** Turnery.

**Other.** Boatbuilding, vats, casks.