EXOTIC TIMBER

Bangkirai grooved decking board 21×145, FAS KD class

Wood species: Bangkirai.

BANGKIRAI BOIS EXTÉRIEUR



IDENTIFICATION

Dartank reference	**D7W156**
Dartank EAN	**3701839310755**
Material	**Bangkirai**
Thickness	**21 mm**
Sales unit	**Square metre (m²)**

OVERVIEW

Overview

South-East Asian hardwood, supplied dry, very dense (910 kg/m³) and naturally highly resistant to biodegradation. For decking, garden furniture, jetties and exposed outdoor structures, including contact with sea water.

KEY BENEFITS

01
Very dense
910 kg/m³ at 12% moisture.

02
Very strong
Bending 142 N/mm², compression 73 N/mm², modulus of elasticity 20,100 N/mm².

03
High durability
Class 1–2; durable against fungi, termites and insects.

04
Sea water
Suitable for exposed structures, including sea-water contact.

05
Supplied dry
Kiln-dried FAS grade (KD).

06
Straight grain
Smooth texture, warm brown tone.

PRODUCT CHARACTERISTICS

Material	**Bois**
Width	**145 mm**
Profile	**Rainuré**
Application	**Extérieur**
Length	**sur demande**
Protection	**Aucune**
Wood species	**Bangkirai**
Class	**FAS KD**

THE MATERIAL

Bangkirai

Very dense, very durable tropical hardwood for decking.

Origin	**South-East Asia**
Density	**910 kg/m³**
Colour	**Light to dark brown, sometimes yellowish-brown hues**
Grain and texture	**Straight grain, smooth to medium-smooth texture**
Dimensional tolerance	**10 %**
Appearance grades	**FAS KD**

PERFORMANCE AND TEST RESULTS

Property	Standard	Result
Compressive strength		**73 N/mm²**
Flexural strength		**142 N/mm²**
Modulus of elasticity		**20100 N/mm²**
Natural durability (class)	EN 350	**1–2**
Resistance to fungi		**Durable**
Resistance to insects		**Durable**

Property	Standard	Result
Resistance to termites		**Durable**

INSTALLATION

Installation

1. **Substructure** Install above ground with sufficient ventilation.
2. **Gap between boards** Leave about 4–7 mm between boards (more for the most reactive species).
3. **End gap** Allow about 2–3 mm between board ends.
4. **Screwing** Screws twice as long as the board is thick, driven at 90°, head flush (neither proud nor sunk).
5. **Pre-drilling** Always pre-drill, even with self-drilling decking screws.
6. **Fasteners** A2 stainless-steel screws for tropical hardwoods and larch.
7. **Machining** Sawing is demanding; nailing requires pre-drilling; gluing and finishing are good; slow drying.
8. **Pre-installation check** Starting installation means accepting the product's condition: report any defect before cutting, drilling or treating.
9. **Workmanship** Installation should be carried out by a professional in line with good building practice.

Storage

- **Stacking** Stack boards flat, strapped and/or evenly weighted, allowing air to circulate.
- **Shelter** Store in a dry place protected from water and UV.
- **Stacking** Unsecured storage risks cupping and twisting.

MAINTENANCE

Maintenance

Weathering	**Outdoors, the wood weathers to a silvery patina without losing its technical properties.**
Renovation	**To keep the original colour, regularly apply an exterior wood maintenance oil.**
Renovation	**Renovate the deck twice a year (before and after winter).**

QUANTITIES

COVERAGE PER M² — 8% cutting waste

AREA	BILLED
5 m²	5.4 m²
10 m²	10.8 m²
20 m²	21.6 m²
50 m²	54 m²

WARNINGS

- **Appearance tolerances** Pinholes of 0.5–1.5 mm, micro-cracks, sapwood, end splits up to board width, colour differences and small knots are not defects.
- **Natural material** 100% natural, hygroscopic wood: it swells in wet weather and shrinks in hot weather. Grain and colour vary from board to board.
- **Dimensions** Actual width and thickness may differ by about 10% from the invoiced dimensions.
- **Natural material** The wood's natural oils and tannins may cause stains, discolouration and natural odours.
- **Natural material** Outdoors, weathering, deformation, cracking and dimensional change are natural for wood and are not grounds for a claim.

Non-contractual document. Values are given for guidance; official documents are available on request.