OZIGO

Dacryodes buettneri H.J. Lam (Syn. Pachylobus buettneri)

Family: Burseraceae · Continent: Africa



IDENTIFICATION

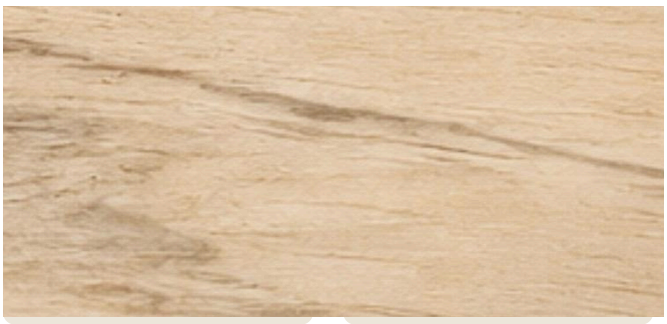
Family: Burseraceae
Botanical names: Dacryodes buettneri H.J. Lam (Syn. Pachylobus buettneri)
Continent: Africa
CITES (Washington Convention, 2016): no trade restriction

LOG DESCRIPTION

Diameter: 70 to 100 cm
Sapwood thickness: 5 to 9 cm
Buoyancy: floats
Durability in forest: moderate (treatment recommended)

WOOD DESCRIPTION

Reference colour: light brown
Sapwood: not clearly demarcated
Texture: medium
Grain: interlocked
Interlocked grain: pronounced
Notes: light brown to pinkish-white wood, lustrous surface, ribbon figure and sometimes moiré on quarter-sawn faces.



PHYSICAL & MECHANICAL PROPERTIES

Property	Mean value
Density (1)	**0.59**
Monnin hardness (1)	**2.8**
Volumetric shrinkage coefficient	**0.42% per %**
Total tangential shrinkage (T)	**7.3%**
Total radial shrinkage (R)	**5.2%**
T/R ratio	**1.4**
Fibre saturation point	**33%**
Thermal conductivity (λ)	**0.20 W/(m.K)**
Lower heating value	**–**
Crushing strength (1)	**52 MPa**
Static bending strength (1)	**91 MPa**
Longitudinal modulus of elasticity (1)	**13,820 MPa**

(1) At 12% moisture content, with 1 MPa = 1 N/mm²

NATURAL DURABILITY AND TREATABILITY

Fungi resistance: class 5, not durable
Dry wood borer resistance: class S, susceptible (risk throughout the wood)
Termite resistance: class S, susceptible
Treatability: class 3, poorly permeable
Use class covered by natural durability: class 2, interior or under cover (risk of wetting)

PRESERVATIVE TREATMENT

Against dry wood borer attacks: this wood requires appropriate preservative treatment.
Temporary humidification: use not recommended.
Permanent humidification: use not recommended.

DRYING

Drying rate: normal
Risk of distortion: slight
Risk of case hardening: no known risk
Risk of checking: high
Risk of collapse: no known risk
Notes: the wood should be dried slowly; prior air-drying recommended.
Suggested kiln schedule: no. 5

ASSEMBLING

Nailing and screwing: good holding

COMMERCIAL GRADING

Appearance grading of sawn timber according to SATA rules (1996).
General market: strips grades I, II, III, IV; short lengths grades I, II; short rafters grades I, II, III.
Special markets: flooring strips and boards grades I, II, III; rafters grades I, II, III.
Visual structural grading: according to French standard NF B 52-001-1 (2011), strength class D30 can be assigned by visual grading.

SAWING AND MACHINING

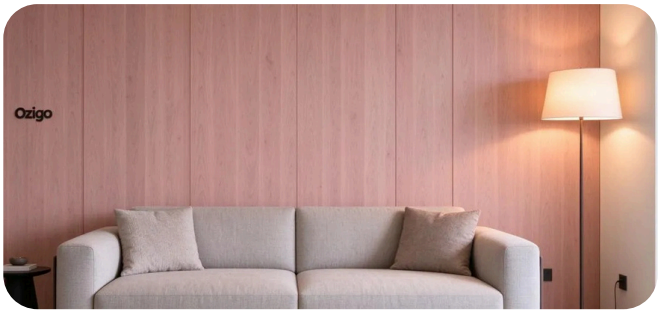
Blunting effect: high
Sawteeth recommended: stellite-tipped
Cutting tools: tungsten carbide
Peeling: good
Slicing: not recommended or of no interest
Notes: reduce the cutting angle when machining (about 15°). High silica content. Some difficulty in planing due to interlocked grain. Tendency to raise fibres.

FIRE SAFETY

French conventional classification:
thickness > 14 mm: M3 (moderately flammable);
thickness < 14 mm: M4 (easily flammable).
Euroclass: D-s2, d0.
Default classification for solid timber meeting NF EN 14081-1 (April 2016): structural timber used for walls and ceilings, graded, with minimum mean density 0.35 and minimum thickness 22 mm.

MAIN END USES

- Formwork
- Packaging, crates
- Interior stairs
- Plywood face or back veneer
- Plywood core
- Panelling
- Interior joinery
- Furniture and furniture components
- Flooring



MAIN LOCAL NAMES

Country	Local name
Germany	**Assia**
Cameroon	**Assas**
Gabon	**Assia, Ozigo**
Equatorial Guinea	**Assia**

SNBG

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