

BRIDGES ♦ BOARDWALKS ♦ JETTIES

SPECIES Angelim Vermelho

FAMILY Mimosaceae

LATIN NAME Dinizia exceisa

DISTRIBUTION South and Central America



USES

Interior applications include industrial or heavy flooring and stairs. Exterior applications include posts, ship building, bridges, sleepers, heavy carpentry, vehicle or container flooring

GENERAL DESCRIPTION

The wood is red brown and the sapwood is clearly demarcated. The grain is straight or interlocked and the texture is medium. Hollow tree is very common. Unpleasant odour when green or re-wetted.

MECHANICAL PROPERTIES

The blunting affect is fairly high and peeling and slicing is not recommended or without interest. Requires power. Nailing is good but requires pre-drilling. Gluing is correct for interior only. Gluing must be done with care (very dense wood).

SEASONING

It dries very slowly and kiln drying must be handled slowly and carefully. Air drying prior to kiln drying is recommended.

DURABILITY 1

Angelim Vermelho is very durable to fungi and to dry wood borers; sapwood demarcated (risk limited to sapwood). Due to its high specific gravity and hardness, this species naturally covers the biological hazard class 5 (end uses in marine environment or brackish water)

DURABILITY 2

Strength Class	Not rated
Weight per m ³ 12% m.c.	1450 kg
Modulus of elasticity 12% m.c.	20000 N/mm ²
Durability	Durable – very durable