Red Angelim

Most important characteristics	
Durability class	Class 1
Specific gravity	Fresh 1350-1450 kg/m3. At 12% moisture content 950-1050 kg/m3.
Colour	Angelim Vermelho hardwood has a red-brown colour.
Applications	Angelim Vermelho wood can be used for civil engineering construction work, sheet piling, bridge decks, verandas and as garden wood. Angelim Vermelho posts can be used for in-ground applications.
Strength class	D50
Hardness	13500 N.
Grain	Usually interlocked grain.
Timber texture	Medium to coarse
Stability	Little to moderately stable
Drying	Very slow with risk of checking. Little chance of distortion.
Workability	Despite its hardness, Angelim Vermelho wood is easy to machine. During planing, the interlocked grain may cause tearout, but in general the surface can be finished smoothly.
Details	Fresh and dry, Angelim vermelho has a striking rancid (butyric acid) odour that only disappears after a long time.
Screwing/nailing	Pre-drilling Angelim Vermelho is necessary. When using iron fasteners in wet wood, gray-blueish discoloration may occur.
Finishing of surface	Good.
Botanical name	Dinizia excelsa Ducke.
Origin area	Red Angelim wood grows in the Amazon region.
Other names	Angelim, Faveira grande, Faveira ferro, Red Angelim.
Background information	Freshly sawn heartwood is yellow-brown in colour, usually streaked and often with an orangish tinge, fading to reddish brown. The sapwood is pinkish and not always sharply defined from the heartwood.
Quality requirements	Angelim Vermelho wood is listed in the NEN 5493 'Quality requirements for hardwood in earth, road and hydraulic engineering projects and other constructive applications'.
Remarks	FSC® certified Angelim Vermelho is available in large quantities in the Amazon regions of Brazil. The 20-30 meters high tree is straight and cilindric, often with buttresses. The diameter of the trunk is up to 1,5 meter, which makes it possible to produce larger dimensions of sawnwood.
Family	Leguminosae (Mimosaceae).
Projects	Van den Berg Hardhout supplies Angelim Vermelho posts, planks and beams. Available in standard sizes or custom made according to your wishes. Construction of decking (Mijnsheerlyckheid) , Construction for terrace decking, Leeuwenberg Wildlands Emmen