

Red Angelim

Most important characteristics

Durability class

Class 1

Strength class

D50

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.

Specific gravity

Fresh 1350-1450 kg/m³. At 12% moisture content 950-1050 kg/m³.

Colour

Angelim Vermelho hardwood has a red-brown colour.

Details

Fresh and dry, Angelim vermelho has a striking rancid (butyric acid) odour that only disappears after a long time.

Grain

Usually quite strong cross-threads.

Drying

Very slow with risk of cracking. Little chance of distortion.

Hardness

13500 N.

Workability

Despite its hardness, Angelim Vermelho wood is easy to machine. During planing, the crosshair may cause indentation, but in general the surface can be finished smoothly.

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](#)