



DIBÉTOU

Source

FSC Dibétou is available in the forests of Precious Woods, located in the Congo Basin of Gabon. The tree attains heights up to 45 m and diameters normally between 60 and 90 cm (sometimes 120 cm). The trunks are straight and cylindrical and have buttress root boards.

Appearance

Freshly sawn Dibétou has a yellowish brown to dark brown color, with a golden shade and sometimes with dark streaks (therefore called Tigerwood). The 30-70 mm thick sapwood is greyish white to light beige and is easy to distinguish. The wood structure is regular, but interlocked. The texture is fine.

Processing properties

Despite the high density machining can be done easily. Sharp tools are needed to reach a smooth result. Pre-drilling is necessary. The gluing experiences for finger jointing in exterior use are good. It dries slowly with risks of cracking and deformation. Smaller dimensions give higher risk of deformation.

Application

Thanks to its walnut appearance, solid Dibétou is used for decorative interior applications, for example for furniture components, moldings and cabinetwork.

Technical properties

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| Green density | 750-850 kg/m ³ |
| Density (at 12%) | 550 kg/m ³ |
| Shrinkage green – oven dry | 4,7% radial; 6,1% tangential |
| Shrinkage green – 65% RH (abt. 12% EMC) | 2,3% radial; 3,3% tangential |
| Equilibrium Moisture Content (EMC) | 13,5% (at 60% RH) 18,0% (at 90% RH) |
| Fibre Saturation Point (FSP) | 27% |
| Durability according to EN 350:2016 | Heartwood class 3-4 (in-ground tested) |
| Bending strength, MOR (defect free samples) | 77 N/mm ² |
| Modulus of elasticity, MOE (defect free samples) | 8.800 N/mm ² |
| Shear strength (defect free samples) | 5,7 N/mm ² |
| Janka hardness | 4.180 N (parallel) |
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The figures in this table are mainly indicative, unless a specific standard is mentioned, which provides exact figures.

References

This information is based on research (mainly independent) and experience of Precious Woods, (semi-) scientific literature and the (Dutch) Houtvademecum (10th edition 2010).