



BELI

Source

FSC Beli 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 between 80 and 100 cm. The trunks are straight and cylindrical and have buttress root boards.

Appearance

Freshly sawn Beli has a brown color. The alternate darker and lighter streaks result in a decorative and regular pattern on the quartered surface. The 100-150 mm wide sapwood is lighter and easy to distinguish from the heartwood. The wood structure is straight to irregular, and sometimes slightly interlocked. The texture is medium coarse.

Processing properties

The machining of Beli can be done rather easily, although some distortion can occur after planing. Pre-drilling is necessary. The gluing and finishing properties are rather good. It dries moderately quickly to slowly, with small risks of cracking and deformation.

Application

The decorative Beli is mainly used for interior applications, for example for cabinetwork, stairs, flooring, moldings, furniture and panelling. The wood can also be used for exterior applications, like decking and façades.

Technical properties

Green density	850-950 kg/m ³
Density (at 12%)	770 kg/m ³
Shrinkage green – oven dry	4,3% radial; 8,9% tangential
Fibre Saturation Point (FSP)	27%
Durability according to literature	Heartwood class 3
Bending strength, MOR (defect free samples)	128 N/mm ²
Modulus of elasticity, MOE (defect free samples)	17.840 N/mm ²
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 and (semi-) scientific literature like Tropix 7.0.