

## WOOD DESCRIPTION

<b>Color:</b>	Red brown
<b>Grain:</b>	Straight
<b>Interlocked Grain:</b>	Absent
<b>Sapwood:</b>	Clearly demarcated
<b>Texture:</b>	Medium
<b>Diameter:</b>	40 - 70 cm
<b>Thickness of sapwood:</b>	4 - 6 cm
<b>Log durability:</b>	Not specified
<b>Floats:</b>	No

## Physical description

<b>Crushing strength*:</b>	72 (+/- 7)
<b>Specific gravity *:</b>	0,88 (+/- 0,06)
<b>Stability:</b>	Moderately stable
<b>Static bending strength*:</b>	120 (+/- 11)
<b>Monnin hardness *:</b>	7,0 (+/- 1,2)
<b>Modulus of elasticity *:</b>	18450 (+/- 3100)
<b>Coeff. of volumetric shrinkage:</b>	0,42 % (+/- 0,09)
<b>Total radial shrinkage (RS):</b>	2,3 % (+/- 0,6)
<b>Total tangential shrinkage (TS):</b>	6,5 % (+/- 1,1)
<b>TS/RS ratio (Fiber saturationpoint):</b>	2,8
<b>Fiber saturation point:</b>	29 %
<b>Musical quality factor:</b>	97,2 at 2766 Hz

(\* at 12% moisture content, with 1 MPa = 1 N/mm<sup>2</sup>)

## Durability

<b>Dry wood borers:</b>	Class D - Durable
<b>Fungi:</b>	Class 1 - Very durable
<b>Termites:</b>	Class D - Durable
<b>Treatability:</b>	Class 4 - Not permeable

## DRYING

<b>Drying rate:</b>	Slow
<b>Risk of distortion:</b>	High risk
<b>Risk of casehardening:</b>	No
<b>Risk of checking:</b>	High risk
<b>Risk of collapse:</b>	No
<b>Note:</b>	Initial surface drying is necessary before kiln drying in order to reduce defects.

## SAWING AND MACHINING

<b>Blunting effect:</b>	Fairly high
<b>Sawteeth recommended:</b>	Stellite-tipped
<b>Cutting tools:</b>	Tungsten Carbide
<b>Peeling:</b>	Not specified
<b>Slicing:</b>	Not specified
<b>Note:</b>	Requires much power. Resin may clog sawteeth and cutters. Resin exudation is not a problem with dry woods