

## Okan

### ORIGIN

Western Africa

### SCIENTIFIC NAME

Cylicodiscus gabunensis

### COMMON NAMES

Okan, Edoum, Denya

### FAMILY

Fabaceae-Mimosoideae

### SAPWOOD

Clearly demarcated

### HEARTWOOD

COLOUR: Red brown

VEIN: Interlocked

GRAIN: Demarcated

TEXTURE: Medium



### PHYSICAL PROPERTIES

Green wood density (kg/m<sup>3</sup>): -

Density at 12% (kg/m<sup>3</sup>): 910

Total tangential shrinkage (t%): 7,9

Total radial shrinkage (r%): 5,8

Coeff. of volumetric shrinkage (v%): 0,61

Crushing strength (n/mm<sup>2</sup>): 82

Bending strength (n/mm<sup>2</sup>): -

Static bending strength (n/mm<sup>2</sup>): 134

Modulus of elasticity (n/mm<sup>2</sup>): 22.260

Monnin hardness: 10,3

### TRANSFORMATION

SAWING: Hard, requires specific tools

DRYING RATE: Slow, high risk of distortion and checking

MACHINING: -

FINISHING: -

GLUING: Regular, just for interiors

NAILING: Good, pre-boring is necessary

SCREWING: Good, pre-boring is necessary

### USE CLASS ENSURED BY NATURAL DURABILITY

Class 4

In ground or fresh water contact

### END-USE

Hydraulic construction

Beams

Piles

Heavy carpentry

Sculpture

Floors

Bridges