

HORNBEAM FACT SHEET

The hornbeam wood does not have a darker central part of the wood, so the whole is whitish yellow, without gloss, but very rarely does the coloration appear.

Hornbeam has hard, tough and solid wood, is difficult to split and is resistant to wear. Wood is well processed, bent, glued and impregnated. Surface treatment gives good results.

Due to its hardness, hornbeam has not found much application in carpentry, but it has proven to be an excellent material for making tools, musical instruments and in the shipbuilding. Hornbeam is very good to produce wooden wheels for carriages and all other purposes where the hardness of the material is required. Hornbeam is also used for dry distillation and firewood.



COMMON NAME:

European Hornbeam

SCIENTIFIC NAME:

Carpinus betulus

HABITAT:

Europe and western Asia

TREE SIZE:

15 - 20 (25) m tall, 0,5 - 0,7 m trunk diameter

DENSITY OF WOOD:

735 kg/m³

JANKA HARDNESS:

7260 N

ELASTIC MODULUS:

12 - 13 GPa

CRUSHING STRENGTH:

50,5 MPa

BENDING STRENGTH:

110,4 MPa

SHRINKAGE:

Radial 6,8%, Tangential 11,5%, Volumetric 18,4%