BONMEZA

Albizzia chinensis (Osbeck.) Merr. **FAMILY - Mimosaceae**

HABIT

A large tree reaching a height of 36 m, with trunk diameter of 0.7 to 0.8 m, long, straight, cylindrical stem.

GENERAL CHARACTERISTICS

Growth ring present, heartwood light brown or whitish brown to pinkish brown, sharply demarcated from white sapwood. Lustrous, straight-grained but irregularly interlocked-grained, texture medium, without distinctive odour and taste, wood diffuse-porous.

MICROSCOPIC CHARACTERISTICS

Average 52% solitary, radial multiples of 2 – 4, 1 – 5 per mm^2, 21 – 267 (132) µm in diameter. Some vessel pores contain gum deposits. Vessel length 195 – 809 (395) µm. Intervessel pitting 3 – 6 µm, alternate, vessel ray pitting similar to intervessel pitting. Perforation plates simple. Fibres thin-walled, non-septate, with very sparse, minute slit-like pits in radial walls. Axial parenchyma vasicentric, aliform, aliform confluent and diffuse. Prismatic crystals in 2 to 8 chambered axial parenchyma. Rays 1 – 3 (mostly 1) cells wide, 3 – 17 cells high, 9 – 17 per mm, homocellular, consisting of only procumbent cells. Some ray parenchyma contain gum deposits.

BASIC SPECIFIC GRAVITY 0.29

STRENGTH GROUP E

DURABILITY · Non-durable

TREATABILITY · Difficult

SEASONING · Seasons very fast with almost no degrade.

Recommended Kiln Schedule:
· B (Proposed)

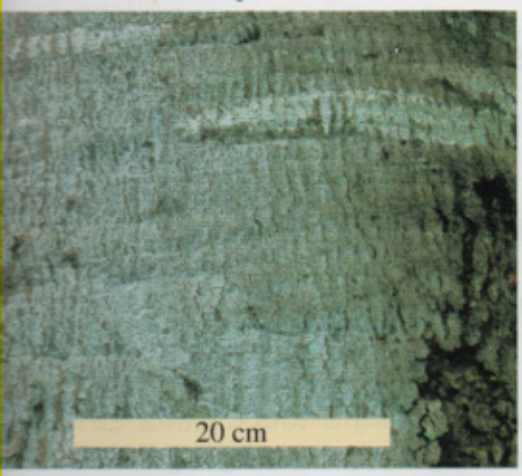
WORKING PROPERTIES

Saws easily and works well w hand and machine tools, but c surfaces tend to be woolly, easily to n and boring well; turning and mortisi satisfactory.

RECOMMENDED END USES

Household appliances, music instruments, turnery wood, packing bo match box.

Timber specimen



Bark

A plant in natural habit

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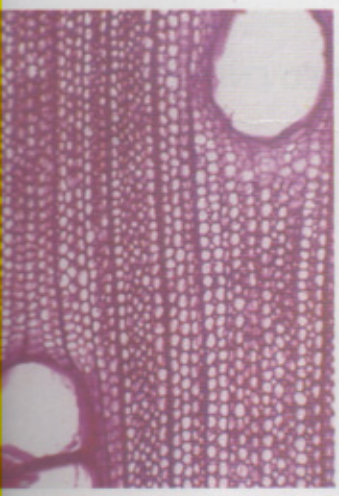

Transverse section (X 75)

Tangential longitudinal section (X 75)

Radial longitudinal section (X 75)