

## FAQ-

1. What is timber?

A -Timber is a large piece of wood which can be used for construction and other structural applications.

2. How engineered wood is made?

A- Engineered wood is made in following steps

1. Wood fibers, chips, or sawdust are combined with adhesives
2. The mixture is compressed under high heat and pressure
3. The result is a strong, consistent material that resembles natural wood

3. How seasoning of the wood changes it?

A- After seasoning following changes are seen in wood.

- Strength: Seasoned wood is stronger, stiffer, and harder than unseasoned wood.
- Durability: Seasoned wood is more resistant to decay, warping, cracking, and twisting.
- Stability: Seasoned wood is less likely to shrink, split, or check.
- Workability: Seasoned wood is easier to handle and transport.
- Preservation: Seasoned wood can be treated with preservatives to protect it from insects and fungi.

4 Which tree is used for making guitar & fretboards

A-Indian rose wood (Botanical Name- *Dalbergia latifolia*) is used for making body of Guitar & fretboards

5 How will you differentiate between Soft wood and Hard wood?

A- The difference between Soft wood and Hard wood is given in table below.

S.No	Property	Hard wood	Soft wood
1	Annual rings	Very prominent	Less prominent
2	Cellular composition	Xylem vessels, fibers and parenchyma	Xylem tracheids and medullary rays
3	Density	Very dense	Comparatively lighter

4	Colour	Dark woody	Lighter Woody
5	Harvested from	Angiosperms	Gymnosperms
6	Fire resistance	More resistant to fire	Less resistant to fire
7	Strength	No easy to cut	Easy to cut
8	Growth	Slow	Fast
	Wastage in harvesting	Trees are branched so large quantity of waste is generated	Trees grow straight so less quantity of waste is generated
	Price	Costlier of the two	Comparatively cheaper
9	Maturity	Takes approximately 150 yrs to mature or ready to harvest	Takes approximately 150 yrs to mature or ready to harvest
10	Examples	Teak, Sal, Sissoo	Cedar, Pine

6. What is seasoning and how it is done ?

A- At the time of harvest wood consists of water in high quantity upto 40 to 80%. Due to which it is not suitable for use. So the wood harvested is subjected to some treatment to make it suitable for commercial use. This process is called seasoning of wood. Seasoning is the process of removing moisture from wood to improve its strength, durability, and stability. Seasoned wood is less likely to crack, warp, or split, and is more resistant to rot and pests. It is done by two basic methods

1 Air seasoning / Natural process

The traditional method of seasoning wood-logs are stacked and left to dry in the open air. The stack is slanted to allow rain to drain, and stickers are used to separate the boards so air can circulate.

2 Kiln seasoning /artificial process

An artificial method of seasoning wood- the wood is placed in a kiln and smoke/hot air is circulated at a controlled temperature.

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