



Market forms of Timber

The followings are the various types of market forms of timber.

1. Log
2. Lumber
3. Bilk
4. Deal
5. Batten
6. Plank
7. Board
8. Scantline
9. Pole



Log



Limber



Scantling



Board



Plank



Batten



Pole



Market Sizes of Timber(cont')



- **Plank:** A sawn timber piece, with more than 275mm in width, 50 to 150 in thickness and 2.5 to 6.5 meters in length.
- **Board:** A timber piece sawn below 50 mm thickness and more than 125 mm in width.
- **Batten:** A timber piece swan below 175 **mm** in width and 30 to 50 mm in thickness.
- **Scantlings or Reapers:** Sawn timber pieces of assorted and non-standard sizes those may not confirm to the above shapes and sizes.
- **Beadings:** Assorted timber pieces with small thickness with rectangular or square or any designed cross section intended to use as the borders and frames.



Seasoning of Timber

As fresh timber which is obtained from trees contains about 30 to 40 % sap or moisture. This sap is very harmful for the life of a timber. Therefore, it is necessary to remove that sap by applying some special methods. All those methods which are used for removing the sap from timber are collectively termed as seasoning of timber.

Advantages of seasoned timber:

It has reduced weight, It is strong and durable, It has resistance to decay or rot, It takes high polish, It is easier to work, Its life is more.

Types of Timber Seasoning:

The main types of timber seasoning are as under.

- Natural Seasoning,
- Artificial Seasoning,
(a) Kiln Seasoning, (b) Chemical Seasoning, (c) Electric Seasoning,
- Water Seasoning,



Seasoning of Timber

- Natural Seasoning: In the air seasoning or natural seasoning or natural drying, seasoning of timber, timber is dried by direct action of air, wind and sun. In this method, the timber logs are arranged one over the other, keeping some space or distance between them for air circulation of fresh air. Generally this type of seasoning requires few months to over a year, this is very slow process.
- ARTIFICIAL SEASONING (a) Kiln Seasoning, (b) Chemical Seasoning, (c) Electric Seasoning, Developed by : G.S.Solangi
- Kiln Seasoning: In kiln seasoning timber is placed in a chamber with some special heating arrangement. In this process one thing should be kept in mind that heating system should be under control, other wise timber will be crack or warp. The time required for this seasoning is 3 to 12 days. This is quick process.



Seasoning of Timber

- **Chemical Seasoning:** In chemical seasoning carbon dioxide, ammonium carbonate or urea are used as agents for seasoning, those are applied in dry state, the inner surface of timber dries first than outer side. This ensures uniform seasoning. The time required for this seasoning is 30 to 40 days.
- **Electric Seasoning:** In this method electric current is passed through the timber logs. The time required for this seasoning is 05 to 08 hours. Electric Seasoning Developed by : G.S.Solangi
- **Water Seasoning:** In water seasoning, timber logs are kept immersed whole in the flowing water. The sap present in timber is washed away. After that logs are taken out from water and are kept in open air, so water present in timber would be dried by air. The time required for this type of seasoning is 2 to 4 weeks



Industrial Timber

- Prepared scientifically to attain desired shape, appearance and strength
 - Softwood
 - Hardwood
 - Plywood
 - Veneer
 - Fiber Board

