

## • TIMBER SPECIES DATASHEET •

# PINE

(Pinus)



|                         |   |
|-------------------------|---|
| ★ Wood Type             | Softwood  |
| ★ Durability            | Class 3 - Moderately durable                            |
| ★ Average Service Life  | 10-20 years (without treatment)                         |
| ★ Treatability          | Easy to moderately easy                                 |
| ★ Moisture Movement     | Moderate  |
| ★ Density (mean, Kg/m³) | Varies by species, but generally lighter than hardwoods |
| ★ Texture               | Fine to medium  |
| ★ Use(s)                | Framing, Cabinetry, Furniture, Paneling,                |
| ★ Colour(s):            | Light yellow to pale brown                              |

### Environmental

Pine wood primarily comes from various species of the Pinus genus and is generally considered abundant and not listed on the IUCN Red List. It is widely available from well-managed sources, and sustainable forestry practices are often in place to ensure responsible harvesting.

### The Tree

Pine trees vary in size and shape depending on the specific species. They can range from relatively small to tall, reaching heights of up to 80 meters. The trunks are typically straight, with branches that spread out horizontally. Pine trees are known for their needle-like leaves and distinctive cones.

### Drying

Pine wood is relatively easy to dry, with minimal risk of deformation or cracking if dried properly. It's important to control the drying rate to avoid defects, but with proper care, pine wood can be successfully dried without significant issues.

### Working Qualities

Pine wood is easy to work with using common woodworking tools. It cuts, shapes, and planes easily and takes nails and screws well. It can be sanded to a smooth finish and is often used for cabinetry, furniture, and other interior applications. Pine wood finishes nicely with stains, paints, or varnishes.

### Distribution

Pine trees are native to North America, Europe, and Asia, but they have been introduced and cultivated in many other parts of the world. Pine wood is commonly harvested in countries like the United States, Canada, Sweden, Russia, and China. These trees are grown for their timber, which is used in various applications, and for their pine nuts, which are edible.

### The Timber

Pine wood is known for its light color, typically pale yellow or light brown, with a minimal color variation between the heartwood and sapwood. The wood has a straight grain, a fine to medium texture, and is relatively lightweight compared to many other hardwoods.

### Strength

Pine wood is not as hard as many other hardwoods, making it easier to work with in various applications. It is a strong wood with good load-bearing capacity and is often used for structural purposes like framing and construction.