

# A.C. TIMBER SOLUTIONS

## EUROPEAN OAK

<b>Wood Type</b>	Temperate Hardwood
<b>Latin Name</b>	Fagaceae
<b>Family</b>	Quercus Robur
<b>Also known as</b>	Rovere, Quercia, Chene & Eiche



**Applications:** Primarily used for furniture and cabinetmaking, oak is also good for boatbuilding, ladder rungs, sills, thresholds and for all purposes of exposure in contact with the ground.

Other applications include high-class joinery, coffins, pews, rood screens pulpit, flooring vehicle body bearers and floors in trucks.

Oak is rotary cut for plywood manufacture and sliced for very attractive “silver grain” and “raindrop” figured oak veneers for panels and cabinets.

**Description:** European Oak’s heartwood is light tan to biscuit coloured, usually straight grained, but irregular or cross-grained material can occur depending on growth conditions. Characteristics silver grain figure on quartered surfaces due to broad rays. British & Nordic oaks are very tough and hard, weighing 720 kg/m<sup>3</sup> and other milder oaks from The Balkans & Turkey known as Slavonian oak weigh approximately 670 kg/m<sup>3</sup>.

**Properties:** European Oak has a very good steam bending classification, but is liable to blue stain if in contact with iron compounds.

**Durability:** The heartwood is durable, extremely resistant to preservative treatment, but the sapwood is permeable. The acidic nature of oak will affect metals in indirect contact and cause corrosion. Non-ferrous or galvanised metals should be used.

It dries very slowly with a tendency to split and check. Medium movement in service.

**Availability:** European Oak is available from AC Timber standard stock in a range of thicknesses from 26mm – 104mm.