

Douglas (*Pseudotsuga menziesii*)



Growth area: Western Northern America, cultivated in Europe and Australia.

Trees: The straight cylindrical branch free trunk is on average 20m long and can reach a diameter of about 80 cm.

Description: Unseasoned the wood has a light yellowbrown colour which discolours at daylight to an orange golden brown colour. Young trees have heartwood reddish of colour. Quarter sawn boards show a clear straight grained figure. Plain sawn timber shows a growth ring figure.



Texture/Figure: Straight grain, but sometimes spiral grain and wavy grain. Fine texture.

Smell/Taste: Unseasoned it smells pleasantly aromatic.

Machining: Is easy to machine. Due to the fact that the wood is soft, sharp tools are necessary in order to obtain a smooth surface.

Gluing: Well.

Drying: The wood dries quickly with little sensitiveness to deformations and cracks. Knots can get loose and can split easily. Drying sizes above 8 cm is more difficult.

Fixation: Keeps nails and screws well, pre-drilling is not necessary.

Durability class: Class III/IV.

Density: Unseasoned: 640 kg / m³; Moisture content 12%: 530 (410 - 800) kg / m³

Shrinkage: Radial: 5,8%; Tangential: 8,4% (till oven-dry, in general less than this)

Bending strength: 81 N/mm² (Moisture content 12-15%, measurement till rupture)

Modulus of Elasticity: 11600 N/mm² (Moisture content 12-15%)

Applications: Interior- and exterior joinery, windows, doors, flooring, heavy beams, furniture, piles, sheet piling, walings, garden timber, pergolas.