

European Oak

Family Name: Fagaceae

Latin Name: Quercus Robur

Origin: UK & Europe

Strength Class: D40

Weight: Approx 700 kg/m³

Durability: Heartwood is Durable

Description: Colour varies from tan to biscuit, usually straight grained but

irregular or cross-grained material can occur. Characteristic silver grain figure on quartered surfaces. Medium to coarse

texture.

Mechanical Very good steam bending classification. Dries very slowly

Properties: with a tendancy to split and check. Medium movement in service.

Main Uses: Blocks Sleepers

Wedges Boat Building – English Oak

Beams Dock & Harbour – English Oak

Bogmats Garden Furniture – English Oak

Furniture Joinery Flooring Sleepers

Standard Name	Grade	Bending parallel to grain ^a	Tension parallel to grain ^a	Compression		Shear	Modulus of elasticity		Approx
				Parallel to grain	Perpendicular to grain ^b	parallel to grain	Mean	Minimum	Weight Kg/m3
		N/mm²	N/mm²	N/mm²	N/mm²	N/mm²	N/mm²	N/mm²	
Balau	D70	23.4	14.1	23.0	5.3	2.8	20 900	16 700	850
Beech	D30	22.8	22.8	15.2	4.5	3.1	11 400	7 200	710
Douglas Fir	C24	4.4	2.6	5.2	2.1	0.8	9 500	6 000	530
Ekki	D70	25.0	15.0	24.6	5.6	3.0	18 500	15 500	1050
Greenheart	D70	26.1	15.6	23.7	5.9	2.6	21 600	18 000	1030
Iroko	D40	12.6	7.5	12.6	2.8	1.6	10 600	8 500	660
Jarrah	D40	13.8	8.2	14.2	3.1	2.0	12 400	8 700	835
Kapur	D60	18.1	10.9	18.0	4.1	1.9	19 200	15 800	770
Keruing	D50	16.2	9.7	16.0	3.6	1.7	19 300	16 100	745
Larch	C24	5.3	3.2	6.8	1.8	0.8	9 000	6 000	575
Oak	D40	20.7	20.1	15.2	4.5	3.1	9 700	5 200	700
Opepe	D50	17.0	10.2	17.6	3.8	2.1	14 500	11 300	740