

Douglas Fir

Latin Name: Pseudotsuga Menziesii

Origin: USA and Canada. Also planted in the UK, New Zealand and

Australia.

Strength Class: C24

Weight: Approx 530 kg/m³

Durability: Moderately Durable

Description: Heartwood is a light reddish-brown shade. Normally

straight grained, but can show a wavy or spiral grain. Has a

uniform, medium texture.

Mechanical High crushing strength with medium resistance to

Properties: shockloads and a high bending strength. Dries rapidly,

without much checking or warping, but knots tend to split

and loosen.

Main Uses: Plywood Paper Pulp

Veneer Vats & Tanks
Roof Trusses Marine Piling
Laminated Arches Ship Building

Interior Joinery Railway Sleepers
Exterior Joinery Mining Timber

Piles

Standard Name	Grade	Bending parallel to grain ^a N/mm ²	Tension parallel to grain ^a N/mm ²	Compression		Shear	Modulus of elasticity		Approx
				Parallel to grain N/mm²	Perpendicular to grain ^b N/mm ²	parallel to grain N/mm²	Mean N/mm²	Minimum N/mm²	Weight Kg/m3
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
Орере	D50	17.0	10.2	17.6	3.8	2.1	14 500	11 300	740