Iroko

Family Name: Moraceae

Latin Name: Chlorophora Excelsa

Origin: Africa - Tropical

Strength Class: D40

Weight: Approx 660 kg/m³

Durability: Very Durable

Description: Golden Yellow in colour which darkens over time. Dense timber, with an interlocked grain. Has a medium to coarse texture with open pores.

Mechanical Properties: Dries well and fairly quickly, with only a slight tendency of splitting. Moderate steam bending. Glues and finishes well.

Main Uses:

Marine Work	Cabinet Work
Piling	Cladding
Boat Building	Decking
Furniture	Flooring
Joinery	

Grade Stresses for timber graded in accordance with BS 5268 rules: for service classes 1 and 2

Standard Name	*Grade*	*Bending parallel to grain [a]*	*Tension parallel to grain [a]*	*Compression*		*Shear parallel to grain*	*Modulus of elasticity*		*Approx Weight*
				Parallel to grain	*Perpendicular to grain [b]*		*Mean*	*Minimum*	*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

[a] Stresses applicable to timber 300mm deep (or wide)

[b] When the specifications specifically prohibit wane at bearing areas, the HS grade compression perpendicular to the grain stress may be multiplied by 1.33