

Larch

Family Name:	Pinaceae										
Latin Name:	Larix Decidua										
Origin:	Central Europe										
Strength Class:	C24										
Weight:	Approx 575 kg/m ³										
Durability:	Moderately Durable										
Description:	Colour varies from yellow to a medium reddish brown. The grain is generally straight and has a fine texture.										
Mechanical Properties:	Difficult to dry due to high resin content. Should be dried slowly to avoid checking. Low shock resistance.										
Main Uses:	<table> <tr> <td>Veneer</td> <td>Boat Building</td> </tr> <tr> <td>Utility Poles</td> <td>Construction Lumbar</td> </tr> <tr> <td>Fence Posts</td> <td>Bridge Construction</td> </tr> <tr> <td>Flooring</td> <td>Decking</td> </tr> <tr> <td>Exterior Cladding</td> <td>Interior Panelling</td> </tr> </table>	Veneer	Boat Building	Utility Poles	Construction Lumbar	Fence Posts	Bridge Construction	Flooring	Decking	Exterior Cladding	Interior Panelling
Veneer	Boat Building										
Utility Poles	Construction Lumbar										
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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 Kg/m ³
				Parallel to grain	Perpendicular to grain ^b		Mean	Minimum	
		N/mm ²	N/mm ²	N/mm ²	N/mm ²	N/mm ²	N/mm ²	N/mm ²	
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