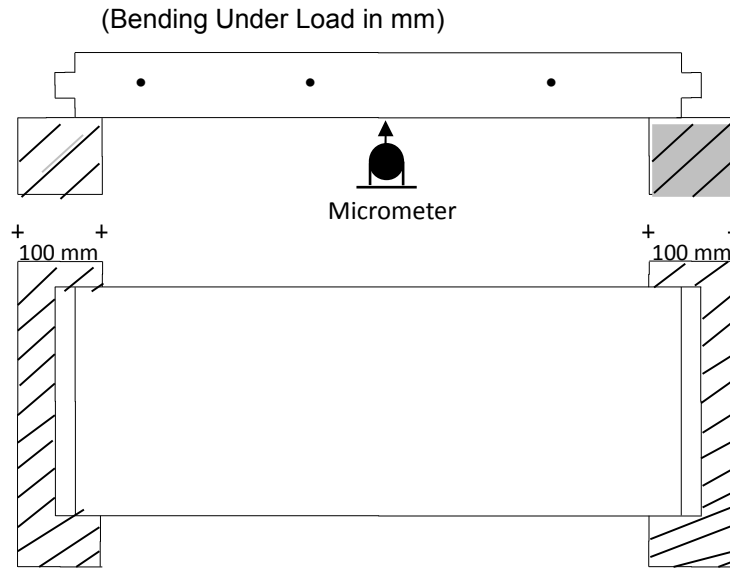


Date: 15 September 2009

PRODUCT TEST FOR LOAD BEARING CAPACITY OF HARDWOOD BOARDS (PALLET)



Item	Board Size (mm)			Spcs KG →	Bending in mm						Nr of Tie-Rod	Kg/m3	Weight of Pallet/kg
	L	W	T		200	300	400	500	600	800			
542	1400	1150	35	YB	1,39	2,00	2,46	-	-	-	3	1026	54,85
422	1400	650	40	YB	1,35	1,85	2,35	-	-	-	3	1088	39,60
385	1400	750	40	YB	0,80	1,50	2,10	-	2,88	-	3M10	1035	43,50
	1400	1050	40	STH	-	0,87	1,12	-	1,56	-	3		
	1400	1050	40	YB	1,15	1,70	2,12	-	2,58	-	3		
	1400	1100	40	STH	1,10	1,65	2,14	-	2,48	-	3		
	1400	1150	40	YB	1,36	1,66	2,33	-	-	-	3		
687	1300	1100	45	YB	0,51	0,73	0,98	1,21	1,42	1,87	3	963	62,00
381	1400	700	45	STH	0,63	1,05	1,45	-	2,25	-	3	1072,5	47,30
670	1400	950	45	YB	0,93	1,39	1,84	2,25	-	-	3	1003	60,00

670	1400	950	45	YB	0,86	1,33	1,82	2,18	-	-	3	1019	61,00
	1400	1100	45	YB	0,66	1,47	2,05	-	2,43	-	3		
	1400	1100	45	STH	-	0,67	0,97	-	1,35	1,74	3		
415	1400	1100	45	YB	-	1,05	1,50	2,00	2,35	2,60	3	1080	74,90
	1400	1150	45	YB	0,70	1,03	1,28	-	1,76	-	3		
	1400	1100	50	STH	0,63	0,94	1,20	-	1,55	2,02	3		
425	1400	1100	50	YB	0,80	-	1,35	-	1,90	2,50	3	1048	80,70
	1400	1100	50	STH	0,53	0,83	1,25	1,63	1,95	2,18	3	975	75,10
547	1400	1100	50	KEM	0,69	0,95	1,21	1,40	1,62	-	3	1006	77,50
547	1400	1100	50	KEM	0,84	1,08	1,38	1,60	1,76	-	3	994	76,50
392	1450	850	50	YB	1,05	1,35	1,77	2,00	2,35	-	3	952	58,70
	1500	1100	50	YB	0,60	0,89	1,12	-	1,46	1,90	3		

YB = "Yellow Balau"
STH = Selected Tropical Hardwood
KEM = Kempas

} Density about 950 - 1050 kg/m³

Usually given Load Bearing Capacity in kg is a relative value. (Depending on MC + tension of tie-rods and number of tie-rods)

Our above test showing actual deflection in the center of pallet under an evenly distributed load is a more specific information.

You can select and specify the suitable pallet thickness from above test.

Above data are actual data taken on our pallet production. Not each pallet will have same capacity. For safety reason in actual usage we advise to consider a safety factor of 30% to 50% on bending.

Above data are given without any guarantee or responsibility on our side. In case of any questions please do not hesitate to contact us.