

## LAMELLAR BEAMS

### LAMELLAR BEAMS legnotre HHW

The lamellar beams are used to make floors. They are used as dividing joists or prefabricated panels or to reinforce reinforced concrete floors. In the construction yard the beams can be used where necessary as they are strong.

The beams are patented and produced with humidity resistant glue (according to rule DIN AW 100). The vertical core board of the beam is made of strong three-layer wood, with crossed fibres in order to guarantee they are non-deformable, resistant, elastic and durable.



reinforced concrete floor



prefabricated joist

**Standard length:**

**2,90 - 3,90 - 4,90 - 5,90 meter**

**Any other size is available if required.**

### Accessories for legnotre HHW lamellar beams



2200 Kg capacity prop



support fork



tripod support

# The lowest weight per meter - Made of glue fir wood (AW100)



## MECHANICAL CHARACTERISTICS (Coefficient of safety= 5)

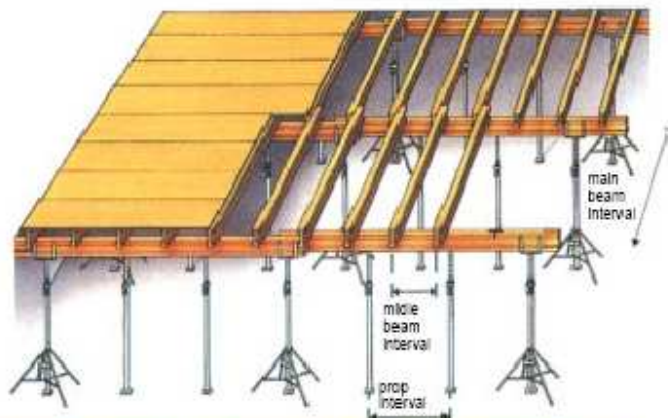
**Coefficient of elasticity**  $E = 105.000 \text{ Kg/cm}^2$   
**Coefficient of resistance**  $W = 406 \text{ cm}^3$   
**Coefficient of inertia**  $J = 4600 \text{ cm}^4$   
**Fir wood bending resistance flexion**  $Z = 120 \text{ Kg/cm}^2$   
**Coefficient of bend**  $M = 487 \text{ Kgm}$

# legnotre

**SALES DEPARTEMENT**  
post-sales customer care

Tel. (0039) 0444 499 339  
Fax (0039) 0444 490 555

Floor thickness cm.	Floor weight Kg. to mq.		
	prefabricated slab	prefabricated panels	reinforced concrete
10			440
15	220		580
20	270		720
25	320	430	860
30	370	490	1000
35	420	550	1140
40	470	610	1280
45	520	670	1420
50	570	730	1560
55		790	1700
60		850	1840



Find the middle beam interval distance in the horizontal line below; find the corresponding weight per m2 in the left hand vertical column. Where the vertical and horizontal line meet, you have the interval necessary between the main beams. Having done this, take the main beam interval figure and find it in the horizontal line. Then following the same procedure, find weight per m2. Where the vertical and horizontal line meet you find the interval necessary for the prop.

Floor thickness cm.	50	62,5	75	87,5	100	125	150	175	200	225	250	275	300	350	400
200	490	453	428	408	388	358	326	301	282	268	253	240	228	195	171
300	430	396	374	354	339	311	285	263	248	232	221	210	199	170	150
400	390	360	340	322	308	283	259	239	224	211	201	191	181	155	136
500	348	322	305	290	276	254	232	214	200	189	174	158	146	124	109
600	320	296	280	266	254	232	211	195	181	161	144	131	121	104	91
700	300	280	262	248	238	214	185	177	154	137	124	113	104	88	77
800	280	264	248	234	224	200	151	154	135	120	109	98	91	77	68
900	271	252	236	222	210	188	161	137	120	107	97	88	80	69	60
1000	260	242	228	212	200	173	144	124	108	97	86	78	72	62	54
1100	250	234	219	204	190	158	131	112	99	88	79	71	65	58	49
1200	242	226	211	197	183	148	123	106	92	82	74	67	62	53	46

Use props with a minimum support of 2200 kg. In the table  $f = 1/500 L$ .  
 Before starting the job, the planner must verify the strains, considering all the factors and the loads weighing on the structure. The figures in the table are guidelines only and in all cases the planner must check the figures. As they are guidelines, we accept no responsibility.

where you can find our products

quality trade - mark



edilpadoan®

wholesale in your area :

This is only a advertising depliant. Legnotre can modify any products

# legnotre

legnotre industriale spa

via della Tecnica 29/31  
 36075 Montebelluna Maggiore (VI) - Italy  
 tel. (0039) 0444 499 339  
 fax (0039) 0444 490 555  
 www.legnotre.com  
 legnotre@legnotre.com