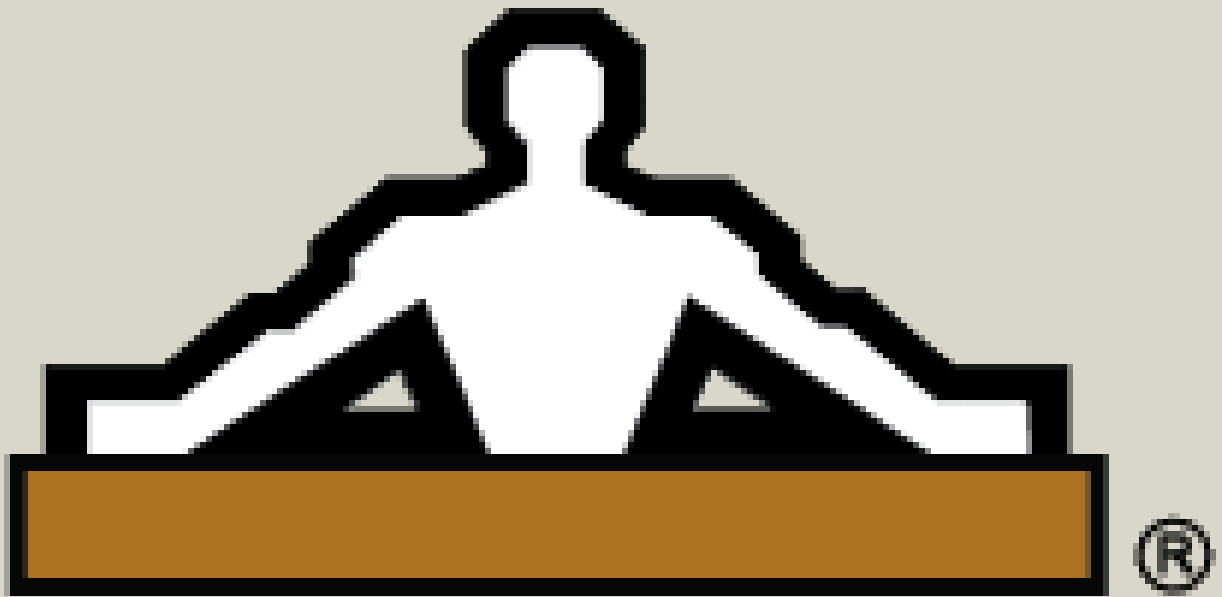




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Domestic Span Tables

Domestic Floor Span Table

Dead = 0.4kN/m²; Partition = 0.35kN/m²;
Live = 1.5kN/m² short-term

P5 Particle Board Web

Joist centres (mm)

Depth	Joist Type	Width	400	480	600
220	HL220	47	4240	3990	3660
	H220	47	4400	4190	3840
	HM220	60	4650	4450	4130
	HI220	70	4810	4610	4330
	HB220	97	5160	4940	4690
240	HL240	47	4480	4290	3950
	H240	47	4640	4450	4150
	HM240	60	4900	4700	4450
	HI240	70	5080	4860	4610
	HB240	97	5440	5210	4960
300	HL300	47	5120	4910	4650
	H300	47	5300	5080	4820
	HM300	60	5600	5370	5100
	HI300	70	5790	5540	5280
	HB300	97	6220	5950	5680
350	H350	47	5590	5360	5090
	HM350	60	6120	5860	5580
	HI350	70	6330	6060	5790
	HB350	97	6790	6500	6210
400	H400	47	6260	6000	5720
	HM400	60	6600	6330	6040
	HI400	70	6830	6540	6250
	HB400	97	7320	7020	6700

DESIGN ASSUMPTIONS:

1. Spans are calculated for uniform loading of: 0.4kN/m² dead; 0.35kN/m² partitions ; 1.50kN/m² imposed load
2. Loading allows for a 22mm chipboard deck and direct applied 15mm plasterboard ceiling
3. Local resistance has been verified under 2.0 kN imposed concentrated load in accordance with BS EN 1991-1-1, §6.2.1.3(P)
4. Deflections: **w**_{inst} is limited to L/333 or 12mm whichever is the lowest ; **w**_{net,fin} is limited to L/250
5. Vibration design in accordance with UK NA to BS EN 1995-1-1 dated 2012-11
6. Bearing resistance assuming: 45mm end bearing ; 89mm intermediate bearing ; no web stiffeners ; no concentrated load above
7. Resistances assume loadsharing i.e. 4 or more joists at no more than 610 centres (k_{sys} = 1.10)
8. Spans listed are worst case between simple and continuous span situation (the latter assuming two equal clear spans)

Domestic Floor Span Table

Dead = 0.4kN/m²; Partition = 0.35kN/m²;
Live = 1.5kN/m² short-term

Depth	OSB Web	Joist centres (mm)			
	Joist Type	Width	400	480	600
220	HL220	47	4260	4070	3750
	H220	47	4420	4240	3940
	HM220	60	4680	4480	4240
	HI220	70	4840	4640	4390
	HB220	97	5200	4970	4720
240	HL240	47	4500	4310	4040
	H240	47	4670	4470	4230
	HM240	60	4930	4730	4470
	HI240	70	5100	4890	4630
	HB240	97	5480	5240	4990
300	HL300	47	5140	4930	4670
	H300	47	5330	5110	4850
	HM300	60	5630	5390	5130
	HI300	70	5830	5590	5320
	HB300	97	6260	5990	5720
350	H350	47	5820	5580	5310
	HM350	60	6150	5900	5620
	HI350	70	6360	6100	5820
	HB350	97	6840	6550	6260
400	H400	47	6290	6030	5740
	HM400	60	6640	6370	6070
	HI400	70	6870	6590	6290
	HB400	97	7370	7060	6750
450	HB450	97	7870	7540	7210
500	HB500	97	8340	7990	7640

DESIGN ASSUMPTIONS:

1. Spans are calculated for uniform loading of: 0.4kN/m² dead; 0.35kN/m² partitions ; 1.50kN/m² imposed load
2. Loading allows for a 22mm chipboard deck and direct applied 15mm plasterboard ceiling
3. Local resistance has been verified under 2.0 kN imposed concentrated load in accordance with BS EN 1991-1-1, §6.2.1.3(P)
4. Deflections: **w_{inst}** is limited to L/333 or 12mm whichever is the lowest ; **w_{net,fin}** is limited to L/250
5. Vibration design in accordance with UK NA to BS EN 1995-1-1 dated 2012-11
6. Bearing resistance assuming: 45mm end bearing ; 89mm intermediate bearing ; no web stiffeners ; no concentrated load above
7. Resistances assume loadsharing i.e. 4 or more joists at no more than 610 centres (**k_{sys}** = 1.10)
8. Spans listed are worst case between simple and continuous span situation (the latter assuming two equal clear spans)