

Errata – Economic Concrete Frame Elements to Eurocode 2
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Page 29 – Solid slabs with band beams

The values in Table 3.2b for the loading to supporting beams should be replaced with the values shown in the table below.

Table 3.2b: Data for one-way solid slabs with band beams: internal span

INTERNAL SPAN, m	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0
OVERALL DEPTH, mm									
IL = 2.5 kN/m²	125	125	125	155	176	197	220	239	274
IL = 5.0 kN/m²	125	125	135	160	180	197	242	272	309
IL = 7.5 kN/m³	125	125	141	161	188	218	257	300	346
IL = 10.0 kN/m²	125	131	151	174	204	233	264	307	359
ULTIMATE LOAD TO SUPPORTING BEAMS, INTERNAL (END), kN/m									
IL = 2.5 kN/m²	38 (n/a)	48 (n/a)	58 (n/a)	74 (n/a)	88 (n/a)	106 (n/a)	124 (n/a)	144 (n/a)	170 (n/a)
IL = 5.0 kN/m²	54 (n/a)	66 (n/a)	82 (n/a)	100 (n/a)	120 (n/a)	140 (n/a)	170 (n/a)	196 (n/a)	228 (n/a)
IL = 7.5 kN/m³	68 (n/a)	86 (n/a)	106 (n/a)	128 (n/a)	152 (n/a)	180 (n/a)	212 (n/a)	248 (n/a)	288 (n/a)
IL = 10.0 kN/m²	84 (n/a)	108 (n/a)	132 (n/a)	160 (n/a)	192 (n/a)	224 (n/a)	260 (n/a)	302 (n/a)	350 (n/a)
REINFORCEMENT, kg/m² (kg/m³)									
IL = 2.5 kN/m²	6 (45)	7 (52)	11 (86)	14 (89)	16 (93)	18 (91)	19 (88)	23 (97)	25 (91)
IL = 5.0 kN/m²	6 (51)	8 (66)	14 (102)	16 (99)	16 (91)	24 (122)	24 (97)	23 (84)	31 (99)
IL = 7.5 kN/m³	7 (57)	12 (97)	17 (120)	20 (123)	26 (136)	29 (133)	30 (116)	35 (115)	36 (104)
IL = 10.0 kN/m²	8 (64)	16 (124)	20 (135)	25 (144)	30 (149)	33 (140)	39 (148)	40 (131)	40 (112)
VARIATIONS: Overall slab depth, mm, for IL = 5.0 kN/m²									
2 hours fire	125	125	144	164	185	207	246	280	318
4 hours fire	125	145	167	191	211	240	261	290	322
Exp. XD1 + C40/50	125	125	131	155	177	209	221	262	297