

Fit Slab - Slab Performance

Fit Slab H 9 cm

REGULATORY CATEGORY	Description of Category	Actual span (net tie-to-tie distance)	Beam spacing	Total height of structural slab	Thickness of beam bottom	H cap	Weight of slab	G (permanent loads)	Q (accidental loads)	Total load on beam (typical value)
		cm	cm	cm	cm	cm	kN/m ²	kN/m ²	kN/m ²	kN/m
CAT. 1	Spaces for residential use. This category includes living quarters and related facilities as well as hotels (except for areas susceptible to crowding).	≤ 357	63,6	15,5	2,5	4	1,88	2,00	2,00	3,74
		from 358 to 381	63,6	15,5	2,5	4	1,88	2,00	2,00	3,74
		from 382 to 405	63,6	15,5	2,5	4	1,88	2,00	2,00	3,74
		from 382 to 405	63,6	17,5	2,5	6	2,38	2,00	2,00	4,05
		from 406 to 429	63,6	17,5	2,5	6	2,38	2,00	2,00	4,05
		from 430 to 453	63,6	17,5	2,5	6	2,38	2,00	2,00	4,05
CAT. 2	Offices. Cat. B2 Offices open to the public. Spaces susceptible to crowding. Cat. C1 Hospitals, restaurants, cafés, banks, and schools.	≤ 357	63,6	15,5	2,5	4	1,88	2,00	3,00	4,37
		from 358 to 381	63,6	15,5	2,5	4	1,88	2,00	3,00	4,37
		from 358 to 381	63,6	17,5	2,5	6	2,38	2,00	3,00	4,69
		from 382 to 405	63,6	17,5	2,5	6	2,38	2,00	3,00	4,69
		from 406 to 429	63,6	17,5	2,5	6	2,38	2,00	3,00	4,69
CAT. 3	Spaces susceptible to crowding. Cat. C2 Balconies and common staircases, conference rooms, cinemas, theatres, churches, and grandstands with fixed seats.	≤ 357	63,6	15,5	2,5	4	1,88	2,00	4,00	5,01
		≤ 357	63,6	17,5	2,5	6	2,38	2,00	4,00	5,33
		from 358 to 381	63,6	17,5	2,5	6	2,38	2,00	4,00	5,33

Fit Slab H 14 cm

REGULATORY CATEGORY	Description of Category	Actual span (net tie-to-tie distance)	Beam spacing	Total height of structural slab	Thickness of beam bottom	H cap	Weight of slab	G (permanent loads)	Q (accidental loads)	Total load on beam (typical value)
		cm	cm	cm	cm	cm	kN/m ²	kN/m ²	kN/m ²	kN/m
CAT. 1	Spaces for residential use. This category includes living quarters and related facilities as well as hotels (except for areas susceptible to crowding).	from 430 to 453	63,6	20,5	2,5	4	2,23	2,00	2,00	3,96
		from 454 to 477	63,6	20,5	2,5	4	2,23	2,00	2,00	3,96
		from 478 to 501	63,6	20,5	2,5	4	2,23	2,00	2,00	3,96
		from 526 to 549	63,6	20,5	2,5	4	2,23	2,00	2,00	3,96
		from 550 to 573	63,6	20,5	2,5	4	2,23	2,00	2,00	3,96
		from 550 to 573	63,6	22,5	2,5	6	2,73	2,00	2,00	4,28
		from 574 to 597	63,6	22,5	2,5	6	2,73	2,00	2,00	4,28
CAT. 2	Offices. Cat. B2 Offices open to the public. Spaces susceptible to crowding. Cat. C1 Hospitals, restaurants, cafés, banks, and schools.	from 406 to 429	63,6	20,5	2,5	4	2,23	2,00	3,00	4,60
		from 430 to 453	63,6	20,5	2,5	4	2,23	2,00	3,00	4,60
		from 454 to 477	63,6	20,5	2,5	4	2,23	2,00	3,00	4,60
		from 478 to 501	63,6	20,5	2,5	4	2,23	2,00	3,00	4,60
		from 478 to 501	63,6	22,5	2,5	6	2,73	2,00	3,00	4,91
		from 502 to 525	63,6	22,5	2,5	6	2,73	2,00	3,00	4,91
CAT. 3	Spaces susceptible to crowding. Cat. C2 Balconies and common staircases, conference rooms, cinemas, theatres, churches, and grandstands with fixed seats.	from 358 to 381	63,6	20,5	2,5	4	2,23	2,00	4,00	5,23
		from 382 to 405	63,6	20,5	2,5	4	2,23	2,00	4,00	5,23
		from 406 to 429	63,6	20,5	2,5	4	2,23	2,00	4,00	5,23
		from 430 to 453	63,6	20,5	2,5	4	2,23	2,00	4,00	5,23
		from 430 to 453	63,6	22,5	2,5	6	2,73	2,00	4,00	5,55
		from 454 to 477	63,6	22,5	2,5	6	2,73	2,00	4,00	5,55

The tables are indicative and generic and, therefore, do not take special cases into account; for every operation not covered there, please consult with the Daliform Group in order to evaluate the most suitable solution. Structural calculations assume a lattice beam with a width of 12 cm, bottom thickness of 2.5 cm, reinforced concrete of Resistance Class C25/30, steel B450 C and a 20 x 20 cm electro-welded mesh in the upper cap with $\phi = 5$.