

Hollowcore Floors

Load/Span Table

Largely because of fast on-site construction, Bison Hollowcore Floors are one of the most economic flooring solutions for the widest variety of situations including masonry, steel and concrete structures for retail, commercial and industrial buildings.

Overall structural depth mm	Self wt: kN/m ²	Spans indicated below allow for characteristic service load (live load) plus self weight plus 1.5 kN/m ² for finishes									
		Characteristic service loads kN/m ²									
		0.75	1.5	2.0	2.5	3.0	4.0	5.0	7.5	10.0	15.0
		Effective span in metres									
150*	2.4	7.50	7.50	7.50	7.50	7.50	7.14	6.70	5.87	5.28	4.49
200	3.0	10.00	10.00	9.86	9.50	9.15	8.55	8.05	7.10	6.42	5.50
250	3.3	12.53	11.75	11.31	10.91	10.55	9.93	9.38	8.31	7.53	6.46
300	4.0	15.00	14.67	14.16	13.71	13.29	12.56	11.94	10.72	9.80	8.51
350	4.4	17.00	16.18	15.65	15.18	14.74	13.97	13.31	11.99	11.00	9.58
400	4.8	18.00	17.26	16.73	16.24	15.80	15.01	14.32	12.95	11.91	10.41
450	5.3	18.00	18.00	18.00	17.56	17.10	16.28	15.57	14.14	13.04	11.43

The table is given as a guide only. When using maximum spans, consideration must be given to the effect of camber and deflection on partitions or finishes. Further advice is available on request. * 35mm screed required for 2 hour fire resistance.