

The spans indicated below have not been limited to Span/50 usually used to minimise the dynamic movement in the planks. We therefore do not recommend spans greater than the following:-- 75mm planks -- 3.75m, 100mm planks -- 5.00m, 150mm planks -- 7.50m, 200mm planks -- 10.00m & 250mm planks -- 12.50m. Spans that exceed this are shown in grey.

### **Hollowcore Load/Span Table (Non-Composite)**

Overall Structural Depth (mm)	Unit Depth (mm)	Self Weight (kN/m <sup>2</sup> )	Self Weight + 1.5kN/m <sup>2</sup> for Architectural Finishes (or other Dead load) + Imposed (Live) Load shown below								
			0.75	1.5	2.0	2.5	3.0	4.0	5.0	10.0	15.0
150	150	2.48	9.05	8.40	8.05	7.70	7.45	6.95	6.55	5.25	4.50
150	150	2.95	8.50	7.95	7.65	7.35	7.10	6.65	6.30	5.10	4.40
200	200	2.97	10.70	10.05	9.55	9.30	8.95	8.40	7.95	6.45	5.55
250	250	3.46	12.00	11.30	10.85	10.50	10.15	9.60	9.10	7.40	6.40

### **Non-propped Composite Hollowcore Load/Span Table (50mm Structural Topping)**

Overall Structural Depth (mm)	Unit Depth (mm)	Self Weight inc. Topping (kN/m <sup>2</sup> )	Self Weight + 1.5kN/m <sup>2</sup> for Architectural Finishes (or other Dead load) + Imposed (Live) Load shown below								
			0.75	1.5	2.0	2.5	3.0	4.0	5.0	10.0	15.0
200	150	3.68	8.35	8.05	7.80	7.65	7.45	7.10	6.85	5.75	5.10
250	200	4.17	9.90	9.45	9.20	8.95	8.75	8.35	8.15	6.80	5.95
300	250	4.66	11.00	10.60	10.35	10.05	9.85	9.40	9.05	7.65	6.75

All spans indicated are the effective span and in metres. The 50mm structural topping of C30 concrete should be regarded as a minimum thickness. Thicker toppings or alternative load combinations can be provided by Milbank on request.

### **Propped Composite Hollowcore Load/Span Table (50mm Structural Topping)**

Overall Structural Depth (mm)	Unit Depth (mm)	Self Weight inc. Topping (kN/m <sup>2</sup> )	Self Weight + 1.5kN/m <sup>2</sup> for Architectural Finishes (or other Dead load) + Imposed (Live) Load shown below								
			0.75	1.5	2.0	2.5	3.0	4.0	5.0	10.0	15.0
200	150	3.68	8.85	8.45	8.20	8.00	7.80	7.40	7.10	5.90	5.20
250	200	4.17	10.20	9.75	9.50	9.20	9.00	8.60	8.20	6.90	6.05
300	250	4.66	11.35	10.85	10.55	10.30	10.05	9.60	9.20	7.75	6.85

All spans indicated are the effective span and in metres. The 50mm structural topping of C30 concrete should be regarded as a minimum thickness. Thicker toppings or alternative load combinations can be provided by Milbank on request. Propping to be positioned at mid span and must remain in position until the topping has gained adequate strength.