

Hemsec Control Span Tables

Ceiling Tables

50mm to 200mm Hemsec Control Panel Thickness - nominal 0.50mm External steel thickness & nominal 0.50mm Internal steel thickness

L/200 Tables Based on 0.25kN/m ² total load		Span (m)		
Ceiling Spans	Temp Difference	0.9 kN point + 0.25kN kg/m ² UDL	1.2 kN point + 0.25 kN/m ² UDL	1.5 kN point + 0.25 kN/m ² UDL
50mm thick ceiling panel	Δ18	3.73	3.3	2.93
80mm thick ceiling panel	Δ18	5.77	5.30	4.89
100mm thick ceiling panel	Δ18	6.94	6.44	6.00
125mm thick ceiling panel	Δ18	8.24	7.71	7.23
150mm thick ceiling panel	Δ18	9.54	8.96	8.450
175mm thick ceiling panel	Δ18	10.71	10.13	9.60
200mm thick ceiling panel	Δ18	11.87	11.28	10.74

50mm to 200mm Hemsec Control Panel Thickness - nominal 0.50mm External steel thickness & nominal 0.50mm Internal steel thickness

L/200 Tables Based on 0.25kN/m ² total		Span (m)		
Ceiling Spans	Temp Difference	0.9 kN point + 0.25 kg/m ² UDL	1.2 kN point + 0.25 kN/m ² UDL	1.5 kN point + 0.25 kg/m ² UDL
50mm thick ceiling panel	Δ50	3.30	3.30	2.93
80mm thick ceiling panel	Δ50	5.30	5.30	4.89
100mm thick ceiling panel	Δ50	6.63	6.45	6.00
125mm thick ceiling panel	Δ50	8.30	7.23	7.22
150mm thick ceiling panel	Δ50	9.51	8.96	8.45
175mm thick ceiling panel	Δ50	10.70	10.13	9.60
200mm thick ceiling panel	Δ50	11.87	11.28	10.74

Wall Tables

50mm to 200mm Hemsec Control Panel Thickness - nominal 0.50mm External steel thickness & nominal 0.50mm Internal steel thickness

L/100 Wall Tables Based on 0.3kN/m ² total load		Span (m)		
Wall Spans	Temp Difference		0.3 kN/m ² UDL	
50mm thick thick wall panel	Δ18		5.76	
80mm thick thick wall panel	Δ18		8.12	
100mm thick thick wall panel	Δ18		9.51	
125mm thick thick wall panel	Δ18		11.11	
150mm thick thick wall panel	Δ18		12.6	
175mm thick thick wall panel	Δ18		14.02	
200mm thick thick wall panel	Δ18		15	

50mm to 200mm Hemsec Control Panel Thickness - nominal 0.50mm External steel thickness & nominal 0.50mm Internal steel thickness

L/100 Tables Based on 0.30kN/m ² total		Span (m)		
Wall Spans	Temp Difference		0.3 kN/m ² UDL	
50mm thick wall panel	Δ50		4.38	
80mm thick wall panel	Δ50		6.45	
100mm thick wall panel	Δ50		7.70	
125mm thick wall panel	Δ50		9.2	
150mm thick wall panel	Δ50		10.5	
175mm thick wall panel	Δ50		11.79	
200mm thick wall panel	Δ50		13.06	

limited by production

Data accurate on 28/04/2019.