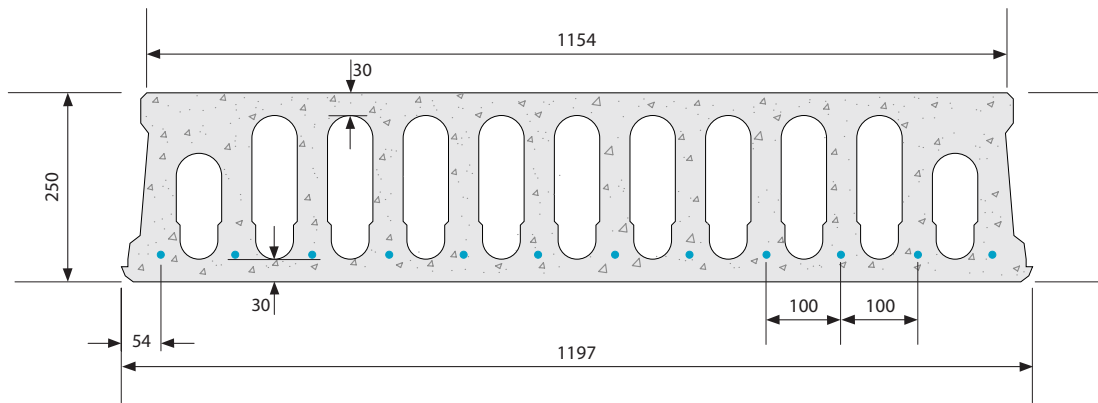


Prestressed 250mm Hollowcore

N.B. It is assumed that units have 100mm end bearing - for spans greater than 9m increased bearing is recommended. No allowance has been made for service openings. All dimensions in mm



Load Span Table

Self weight of hollowcore unit - UngROUTed: 360 kg/m² - GROUTed: 384 kg/m² • Density of concrete: 2400 kg/m³
 • Fire Resistance - 30mm cover: 1.5 hours - 40mm cover: 2.0 hours • Mean sound reduction 51dB
 • Thermal resistance: 0.18 km²/W • Concrete compression strength class: C50/60 •
 • Prestressing: 70% off_{pu} f_y = 1770 N/mm for 9.3mm ø & 12.5mm ø strands •

250mm	Applied Load (kN/m ²)/Limiting Clear Span (m)							
	1.5kN/m ²	3.0kN/m ²	4.0kN/m ²	5.0kN/m ²	7.5kN/m ²	10.0kN/m ²	15.0kN/m ²	20.0kN/m ²
No Structural Topping	10.70	10.00	9.70	9.30	8.50	7.60	6.60	5.90
50mm Structural Topping	10.80	10.70	10.50	10.10	9.20	8.50	7.50	6.50
75mm Structural Topping	10.70	10.70	10.50	10.10	9.30	8.60	7.40	6.40
100mm Structural Topping	10.60	10.60	10.40	10.00	9.30	8.70	7.20	6.30

