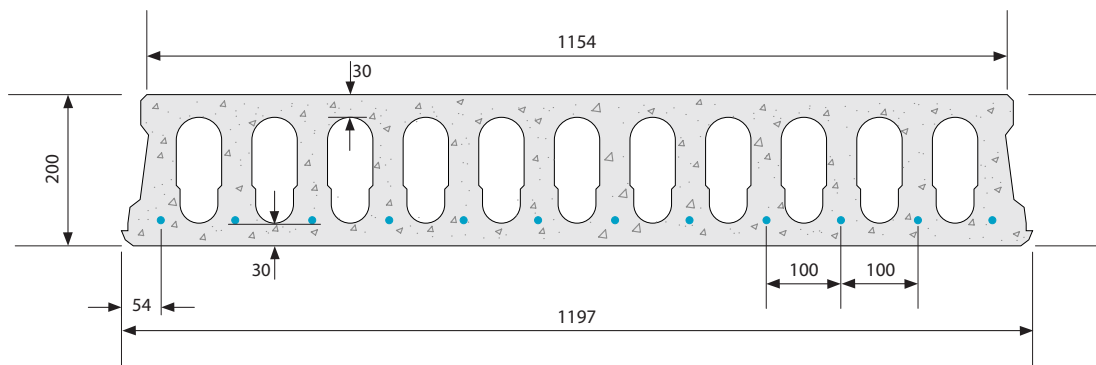


Prestressed 200mm Hollowcore

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: 311 kg/m² - GROUTed: 329 kg/m² • Density of concrete: 2400 kg/m³
 • Fire Resistance - 30mm cover: 1.5 hours - 40mm cover: 2.0 hours • Mean sound reduction 50dB
 • Thermal resistance: 0.18 km²/W • Concrete compression strength class: C50/60 •
 • Prestressing: 70% off f_{pu} $f_y = 1770$ N/mm for 9.3mm \varnothing & 12.5mm \varnothing strands •

200mm	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	9.00	8.40	8.00	7.70	7.10	6.50	5.60	5.00
50mm Structural Topping	9.10	9.10	9.10	8.90	8.10	7.40	6.70	5.70
75mm Structural Topping	9.00	9.00	9.00	9.00	8.30	7.70	6.60	5.60
100mm Structural Topping	8.90	8.90	8.90	8.80	8.30	7.80	6.40	5.50

